

Search History

L1 STRUCTURE UPLOADED
 L2 22 SEA SSS SAM L1
 L3 13141 SEA SSS FUL L1
 L4 STRUCTURE UPLOADED
 L5 50 SEA SUB=L3 SSS SAM L4
 L6 13132 SEA SUB=L3 SSS FUL L4
 L7 STRUCTURE UPLOADED
 L8 50 SEA SUB=L3 SSS SAM L7
 L9 13132 SEA SUB=L3 SSS FUL L7

 L10 FILE 'HCAPLUS' ENTERED AT 11:39:05 ON 27 MAR 2007
 6057 SEA ABB=ON PLU=ON L9

 FILE 'REGISTRY' ENTERED AT 11:39:15 ON 27 MAR 2007
 L11 STRUCTURE UPLOADED
 L12 50 SEA SUB=L3 SSS SAM L11
 L13 STRUCTURE UPLOADED
 L14 0 SEA SUB=L3 SSS SAM L13
 L15 3 SEA SUB=L3 SSS FUL L13

 L16 FILE 'CAPLUS' ENTERED AT 11:49:03 ON 27 MAR 2007
 2 SEA ABB=ON PLU=ON L15

 FILE 'CAOLD' ENTERED AT 11:49:18 ON 27 MAR 2007
 L17 0 SEA ABB=ON PLU=ON L15
 L18 0 SEA ABB=ON PLU=ON L9

 FILE 'HCAPLUS' ENTERED AT 11:52:57 ON 27 MAR 2007
 L19 1 SEA ABB=ON PLU=ON US2003-714772/APPS
 L20 81351 SEA ABB=ON PLU=ON HAIR PREPARATIONS+OLD,NT/CT(L) CONDITIONER/O
 BI OR COSMETICS+OLD,NT/CT OR SHAMPOOS+OLD,NT/CT
 L21 145 SEA ABB=ON PLU=ON L10 AND L20
 L22 136 SEA ABB=ON PLU=ON L10 AND 62/SC,SX
 L23 131 SEA ABB=ON PLU=ON L21 AND 62/SC,SX
 L24 129 SEA ABB=ON PLU=ON L23 AND PATENT/DT
 L25 106 SEA ABB=ON PLU=ON L24 AND (PRY<=2003 OR AY<=2003 OR PY<=2003)
 L26 2 SEA ABB=ON PLU=ON L23 NOT L24
 L27 2 SEA ABB=ON PLU=ON L26 AND PY<=2003
 L28 108 SEA ABB=ON PLU=ON (L25 OR L27)

 L29 FILE 'REGISTRY' ENTERED AT 12:04:53 ON 27 MAR 2007
 STRUCTURE UPLOADED
 L30 0 SEA SUB=L3 SSS SAM L29
 L31 3 SEA SUB=L3 SSS FUL L29

 L32 FILE 'CAPLUS' ENTERED AT 12:05:50 ON 27 MAR 2007
 2 SEA ABB=ON PLU=ON L31

 FILE 'MARPAT' ENTERED AT 12:18:42 ON 27 MAR 2007
 L33 0 SEA SSS SAM L29
 L34 7 SEA SSS FUL L29
 L35 3 SEA ABB=ON PLU=ON L34/COM

 L36 FILE 'CAPLUS, MARPAT' ENTERED AT 12:22:42 ON 27 MAR 2007
 5 DUP REM L16 L32 L35 (2 DUPLICATES REMOVED)

 L37 FILE 'HCAPLUS' ENTERED AT 12:25:38 ON 27 MAR 2007
 108 SEA ABB=ON PLU=ON L28 NOT (L16 OR L32)

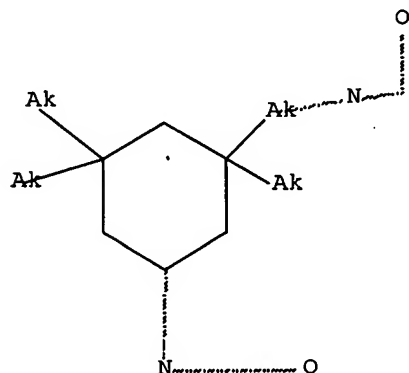
Serial No.:10/714,772
Structure Search

(2)

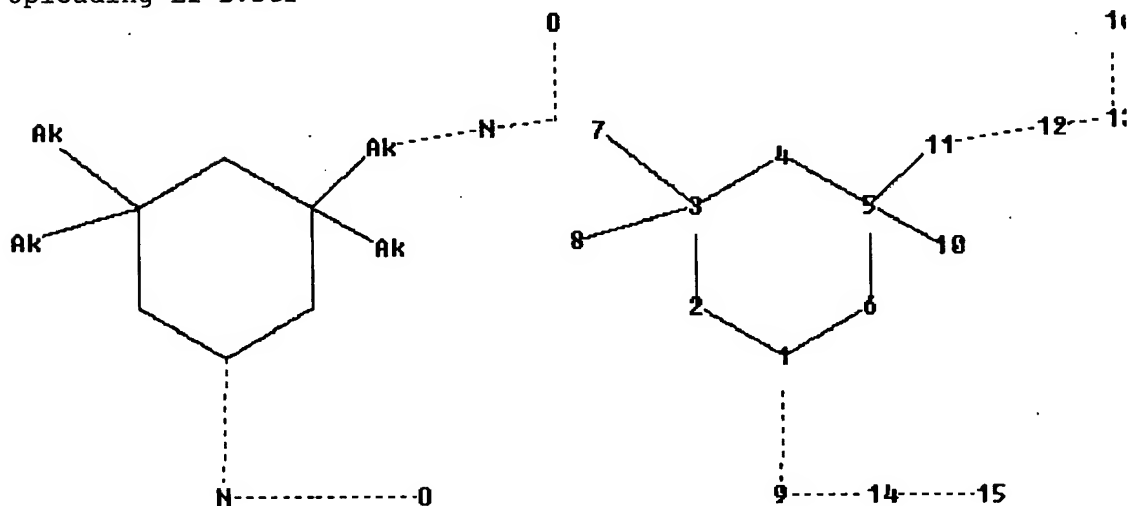
=> FILE CAPLUS MARPAT
FILE 'CAPLUS' ENTERED AT 12:23:45 ON 27 MAR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE 'MARPAT' ENTERED AT 12:23:45 ON 27 MAR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 American Chemical Society (ACS)

=> D QUE L36
L1 STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L1-B.str



chain nodes :
7 8 9 10 11 12 13 14 15 16
ring nodes :
1 2 3 4 5 6
chain bonds :
1-9 3-7 3-8 5-10 5-11 9-14 11-12 12-13 13-16 14-15
ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

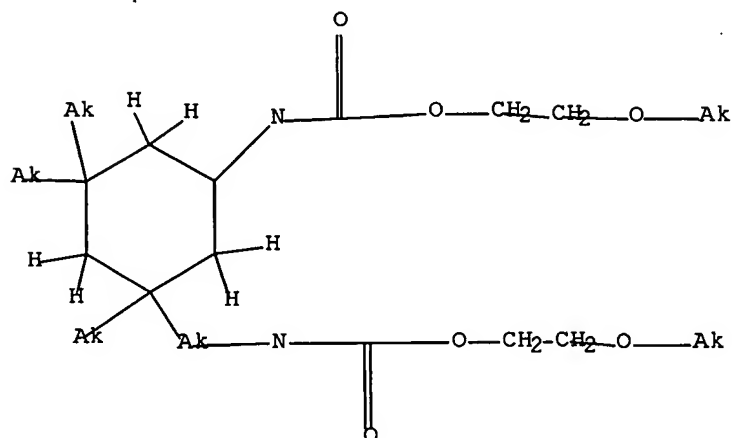
exact/norm bonds :

1-2 1-6 1-9 2-3 3-4 3-7 3-8 4-5 5-6 5-10 5-11 9-14 11-12 12-13 13-16
14-15

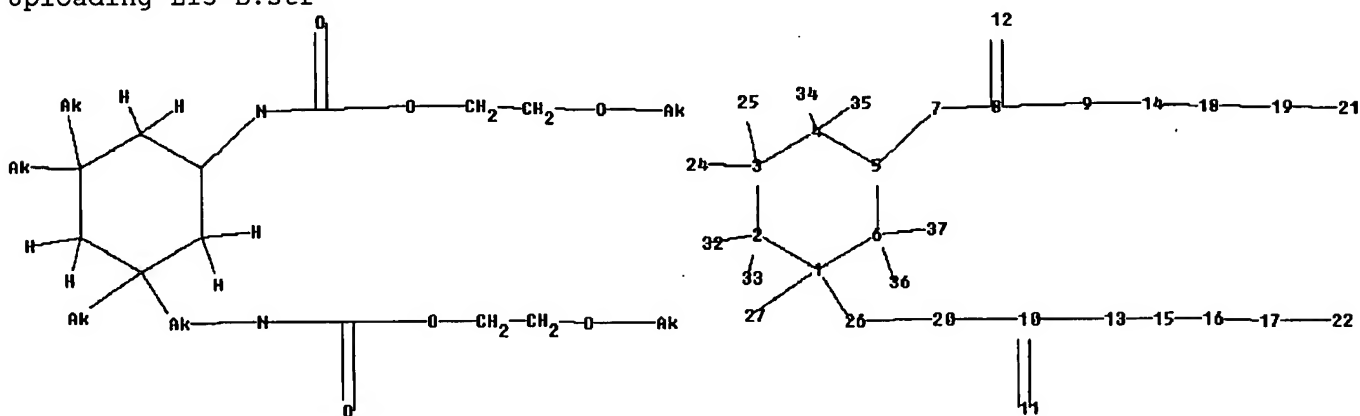
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

L3 13141 SEA FILE=REGISTRY SSS FUL L1
L13 STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L13-B.str



chain nodes :

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27 32
33 34 35 36 37

ring nodes :

1 2 3 4 5 6

chain bonds :

1-26 1-27 2-32 2-33 3-24 3-25 4-34 4-35 5-7 6-36 6-37 7-8 8-9 8-12

9-14 10-13 10-11 10-20 13-15 14-18 15-16 16-17 17-22 18-19 19-21 20-26
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 exact/norm bonds :
 1-2 1-6 1-26 1-27 2-3 3-4 3-24 3-25 4-5 5-6 5-7 7-8 8-9 8-12 10-13
 10-11 10-20 17-22 19-21 20-26
 exact bonds :
 2-32 2-33 4-34 4-35 6-36 6-37 9-14 13-15 14-18 15-16 16-17 18-19

Connectivity :

21:1 E exact C chain 22:1 E exact C chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
 19:CLASS 20:CLASS
 21:CLASS 22:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 32:CLASS 33:CLASS
 34:CLASS 35:CLASS
 36:CLASS 37:CLASS

Generic attributes :

21:

Number of Carbon Atoms : 7 or more

22:

Number of Carbon Atoms : 7 or more

Element Count :

Node 24: Limited

C,C1-7

Node 25: Limited

C,C1-7

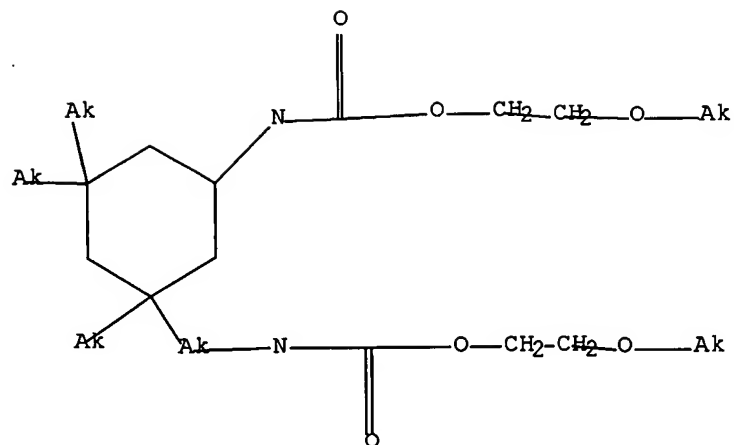
Node 26: Limited

C,C1-7

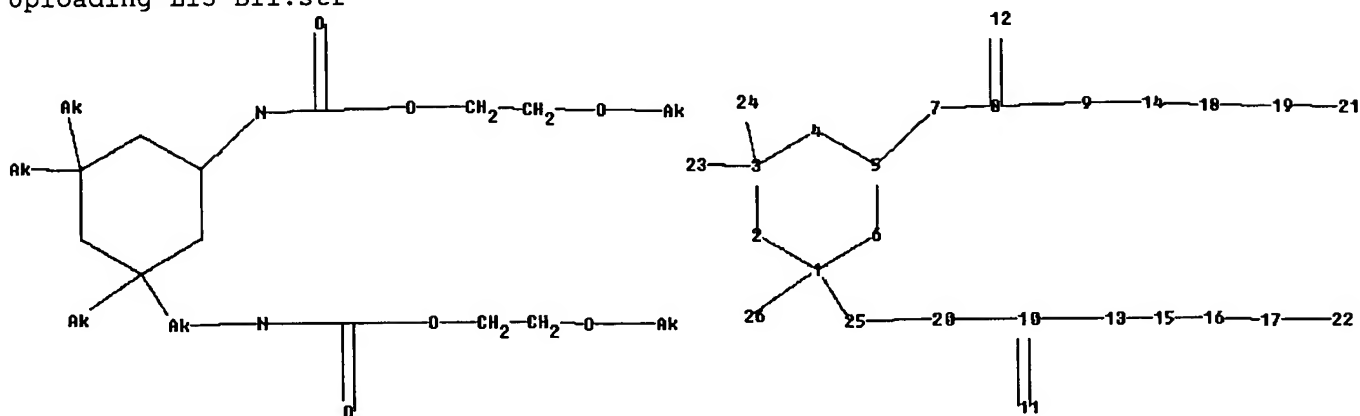
Node 27: Limited

C,C1-7

L15 3 SEA FILE=REGISTRY SUB=L3 SSS FUL L13
 L16 2 SEA FILE=CAPLUS ABB=ON PLU=ON L15
 L29 STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L13-BII.str



chain nodes :

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

ring nodes :

1 2 3 4 5 6

chain bonds :

1-25 1-26 3-23 3-24 5-7 7-8 8-9 8-12 9-14 10-13 10-11 10-20 13-15 14-18

15-16 16-17 17-22 18-19 19-21 20-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 1-25 1-26 2-3 3-4 3-23 3-24 4-5 5-6 5-7 7-8 8-9 8-12 10-13 10-11 10-20 17-22 19-21 20-25

exact bonds :

9-14 13-15 14-18 15-16 16-17 18-19

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS

Generic attributes :

21:

Number of Carbon Atoms : 7 or more

22:

Number of Carbon Atoms : 7 or more

Element Count :

Node 23: Limited

C,C1-7

Node 24: Limited

C,C1-7

Node 25: Limited

C,C1-7

Node 26: Limited

C,C1-7

L31 3 SEA FILE=REGISTRY SUB=L3 SSS FUL L29
 L32 2 SEA FILE=CAPLUS ABB=ON PLU=ON L31
 L34 7 SEA FILE=MARPAT SSS FUL L29
 L35 3 SEA FILE=MARPAT ABB=ON PLU=ON L34/COM
 L36 5 DUP REM L16 L32 L35 (2 DUPLICATES REMOVED)

=> D L36 IBIB ED ABS HITSTR 1-2

L36 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2007:114237 CAPLUS Full-text

DOCUMENT NUMBER: 146:208071

TITLE: Water-based metallic coating compositions with
 flip-flop property for automobiles and the formation
 of multilayered coating films therewith

INVENTOR(S): Hayashi, Kouki; Ohara, Kouichi; Ogawa, Hideaki; Asai,
 Tomohito; Yoneda, Hiroto

PATENT ASSIGNEE(S): Nippon Paint Co., Ltd., Japan

SOURCE: PCT Int. Appl., 67pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007013558	A1	20070201	WO 2006-JP314898	20060727
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				

IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

JP 2005-217613 A 20050727
 JP 2005-255210 A 20050902
 JP 2005-255215 A 20050902

ED Entered STN: 01 Feb 2007

AB. Title compns. contain (a) acrylic resin emulsions prepared by 2-step emulsion polymerization and having an acid value (A1) of 10-150 mg-KOH/g, OH value (A2) of 1-30 mg-KOH/g, and diameter of 20-140 nm, (b) 20-140 nm hydrophobic melamine resin aqueous dispersions as hardeners, and (c) glossy pigments. An aqueous composition (M) containing 80-nm Bu methacrylate-2-hydroxyethyl methacrylate (I)-methacrylic acid (II)-Me acrylate-styrene-Adeka Reasoap NE 20-Aqualon HS 10 graft copolymer dimethylethanolamine (III) salt (with A1 15 mg-KOH/g, A2 35 mg-KOH/g), I-II-Et acrylate-Me methacrylate copolymer III salt, Primepol PX 1000, hydrophobic U-Van 20SB (prepared from I-acrylic acid-Bu acrylate-MSD 100 copolymer and U-Van 20SB, and III), and an Al paste gave a 15- μ m film with flip-flop property (film L value at 15° and 110° ratio) of 4.30; a substrate was sprayed with the M composition to 15- μ m thickness, preheated at 80° for 5 min, wet-on-wet with Macflow O 1810, and baked at 140° for 30 min to form a 15- μ m metallic base and 42- μ m clear composition-coated plate showing flip-flop property of 3.50.

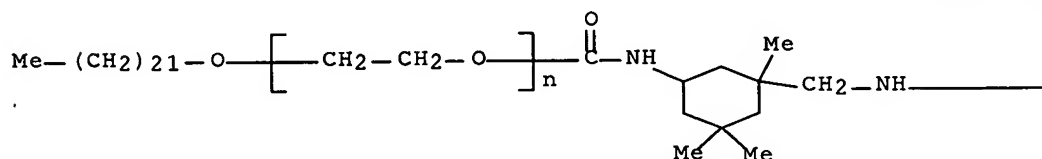
IT 922506-44-3P

RL: IMF (Industrial manufacture); MOA (Modifier or additive use); POF (Polymer in formulation); PREP (Preparation); USES (Uses)
 (modifier; aqueous metallic base coats containing acrylic emulsions and hydrophobic melamine resin hardeners for good flip-flop effect for automobiles)

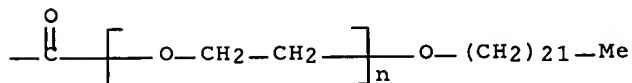
RN 922506-44-3 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -(docosyloxy)-, ester with
 N-[3-[(carboxyamino)methyl]-3,5,5-trimethylcyclohexyl]carbamic acid (2:1)
 (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



REFERENCE COUNT:

44

THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2003:582492 CAPLUS Full-text
DOCUMENT NUMBER: 139:135249
TITLE: Spraying compositions with no dripping from sprayer nozzles when discharged and thixotropic agents therefor
INVENTOR(S): Shirai, Hiroaki; Beppu, Koji
PATENT ASSIGNEE(S): Asahi Denka Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003212950	A	20030730	JP 2002-8459	20020117
PRIORITY APPLN. INFO.:			JP 2002-8459	20020117

ED Entered STN: 30 Jul 2003

AB The thixotropic agents, useful for spraying detergents or bleaches, comprise reaction products of polyisocyanates with mono active-H compds. and/or polyols. The mono active-H compds. are (a1) R1O(AO)nH [R1 = (branched) hydrocarbyl, (hydrocarbon group-substituted) alicyclic or aromatic hydrocarbyl; A = C2-4 alkylene; n = 0-100; (AO)n = random or block polyoxyalkylene] and/or (a2) R2R3N(AO)nH [R2, R3, A, n, (AO)n = same as above], the polyisocyanates are R4(NCO)k [R4 = (branched) hydrocarbyl, (hydrocarbon group-substituted) alicyclic or aromatic hydrocarbyl, urethane linkage-containing hydrocarbyl; k = 2-5; NCO may be oligomerized to dimer to tetramer], and the polyols are R5[(A'O)jH]p [R5 = residual group of alc. (OH value p); A' = same as A; j = 0-500; p = 2-8; all j ≠ 0; (A'O)j = random or block polyoxyalkylene]. Thus, ethoxylated 2-decyltetradecanol HMDI carbamate was mixed with a detergent and sprayed onto an ABS panel without dripping from sprayer, showing detergent retention on the panel 93% after 1 min.

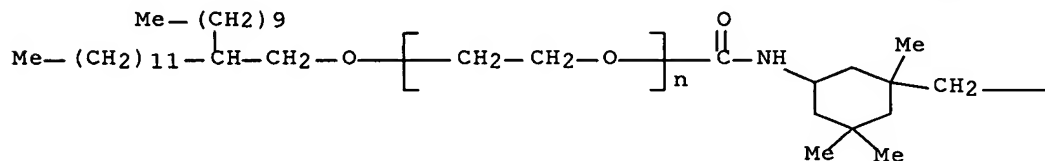
IT **566916-63-0P**

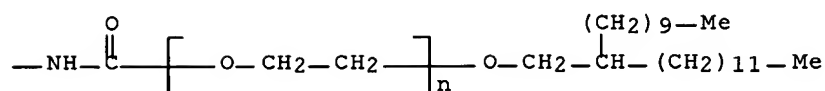
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (thixotropic agents; thixotropic agents for spraying detergents/bleaches to prevent dripping from sprayer nozzles when discharged)

RN 566916-63-0 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α-hydro-ω-[(2-decyltetradecyl)oxy]-, ester with [3-[(carboxyamino)methyl]-3,5,5-trimethylcyclohexyl]carbamic acid (2:1) (9CI) (CA INDEX NAME)

PAGE 1-A





L36 ANSWER 3 OF 5 MARPAT COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 139:133257 MARPAT Full-text

TITLE: Preparation of alkyl carbamates from nonaromatic amines and dialkyl carbamates using yttrium or ytterbium compounds

INVENTOR(S): Kuroiwa, Takumi; Yoshida, Isamu; Sasaki, Hiroaki; Hirata, Fumiaki; Baba, Toshihide

PATENT ASSIGNEE(S): Mitsui Takeda Chemical Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

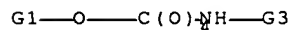
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003212836	A	20030730	JP 2002-15088	20020124
PRIORITY APPLN. INFO.:			JP 2002-15088	20020124
OTHER SOURCE(S):			CASREACT 139:133257	

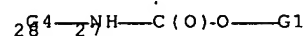
AB Alkyl carbamates are prepared in high selectivity and high yield by reacting aliphatic amines, alicyclic amines, or araliph. amines with dialkyl carbonates in the presence of Y and/or Yb compds. Water content of the Y and/or Yb compds. is preferably $\leq 3\%$ not to prevent reactivity. A mixture of Me_2CO_3 , $\text{H}_2\text{N}(\text{CH}_2)_6\text{NH}_2$, and yttrium acetate was stirred at 70° for 8 h to give 97% $\text{MeOCONH}(\text{CH}_2)_6\text{NHCO}_2\text{Me}$ and 2% $\text{H}_2\text{N}(\text{CH}_2)_6\text{NHCO}_2\text{Me}$.

MSTR 2

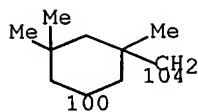
G1 = hydrocarbyl <containing 1-12 C>
(opt. substd. by (1-5) G2)

G2 = alkoxy

G3 = 28



G4 = 104-4 100-27



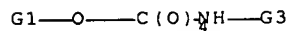
Patent location: claim 3

L36 ANSWER 4 OF 5 MARPAT COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 139:133256 MARPAT Full-text
 TITLE: Preparation of alkyl carbamates from nonaromatic
 amines and dialkyl carbamates
 INVENTOR(S): Kuroiwa, Takumi; Yoshida, Isamu; Sasaki, Hiroaki;
 Hirata, Fumiaki; Baba, Toshihide
 PATENT ASSIGNEE(S): Mitsui Takeda Chemical Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

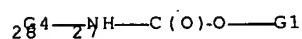
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003212835	A	20030730	JP 2002-15087	20020124
PRIORITY APPLN. INFO.:			JP 2002-15087	20020124
OTHER SOURCE(S): CASREACT 139:133256				

AB Alkyl carbamates are prepared in high selectivity and high yield by reacting aliphatic amines, alicyclic amines, or araliph. amines with dialkyl carbonates in the presence of thiocyanic acid compds. Water content of the thiocyanic acid compds. is preferably $\leq 3\%$ not to prevent reactivity. A mixture of Me_2CO_3 , $\text{H}_2\text{N}(\text{CH}_2)_6\text{NH}_2$, and NaSCN was stirred at 70° for 8 h to give 63% $\text{MeOCONH}(\text{CH}_2)_6\text{NHCO}_2\text{Me}$ and 20% $\text{H}_2\text{N}(\text{CH}_2)_6\text{NHCO}_2\text{Me}$.

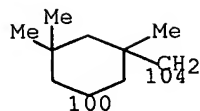
MSTR 2



G1 = hydrocarbyl <containing 1-12 C>
 (opt. substd. by (1-5) G2)
 G2 = alkoxy
 G3 = 28



G4 = 104-4 100-27



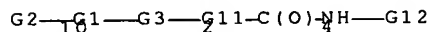
Patent location: claim 3

L36 ANSWER 5 OF 5 MARPAT COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 121:87409 MARPAT Full-text
 TITLE: Perfluoroalkyl terminated urethane lubricants
 INVENTOR(S): Kleiner, Eduard K.; Karydas, Athanasios
 PATENT ASSIGNEE(S): Dynax Corp., USA
 SOURCE: PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

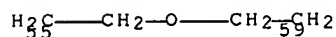
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9411468	A1	19940526	WO 1993-US9819	19931014
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5502225	A	19960326	US 1992-972825	19921109
US 5571779	A	19961105	US 1995-558905	19951115
PRIORITY APPLN. INFO.:			US 1992-972825	19921109

AB This invention relates to perfluoroalkyl group terminated urethanes, thiourethanes and ureas of the general formula: (R-X-CONH)_mA where m is 1, 2, or 3, R is Rf-E and optionally R1 with the proviso that at least one R is Rf-E, Rf is a perfluoroalkyl group, R1 is a hydrocarbon group, E is a linkage group, X is -O-, -S-, -NHR2- and R2 is H or lower alkyl and A is RfE or R1 if m is 1 and a divalent or trivalent linkage group if m is 2 or 3 resp. Compds. of this general formula are useful as solid lubricants or as additives for waxes and resins providing lubricating properties.

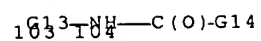
MSTR 1



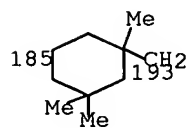
G1 = perfluoroalkylene <containing 6-20 C>
 G3 = 55-10 59-2



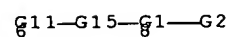
G11 = O
 G12 = 103



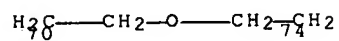
G13 = 193-4 185-104



G14 = 6



G15 = 70-8 74-6



Patent location:

Note:

claim 1

G3, G15 and G21 alkylene alternative may further contain 2-3 interruptions

Structure Search

=> FILE HCAPLUS

FILE 'HCAPLUS' ENTERED AT 12:25:38 ON 27 MAR 2007

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FILE COVERS 1907 - 27 Mar 2007 VOL 146 ISS 14

FILE LAST UPDATED: 26 Mar 2007 (20070326/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

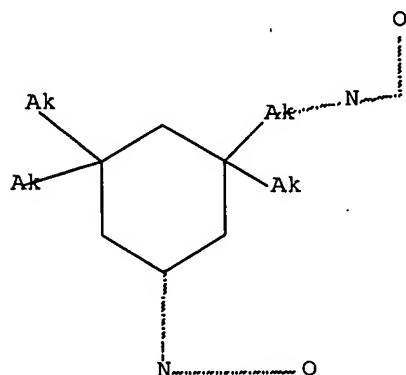
This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

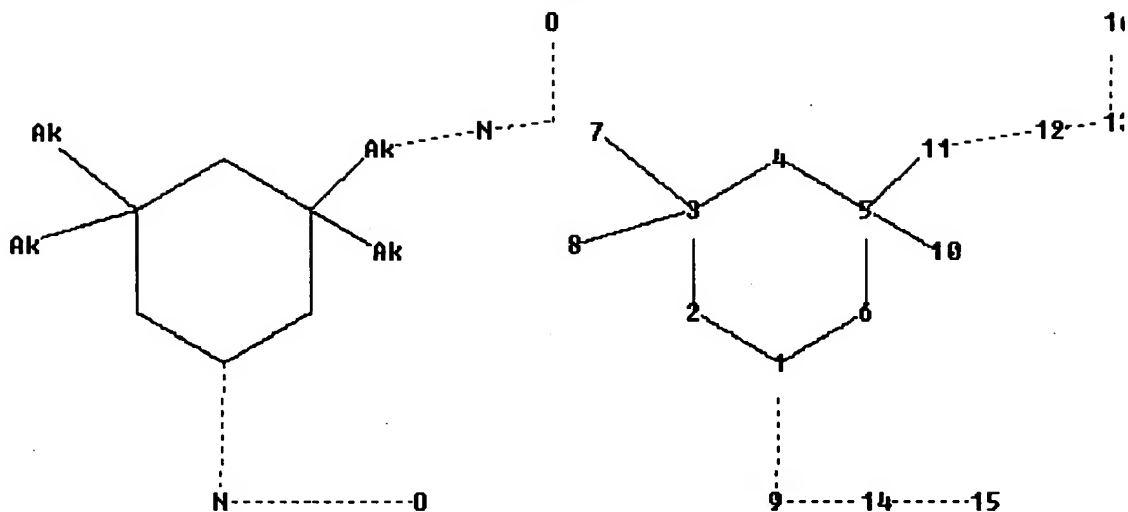
=> D QUE L28

L1

STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L1-B.str



chain nodes :

7 8 9 10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6

chain bonds :

1-9 3-7 3-8 5-10 5-11 9-14 11-12 12-13 13-16 14-15

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

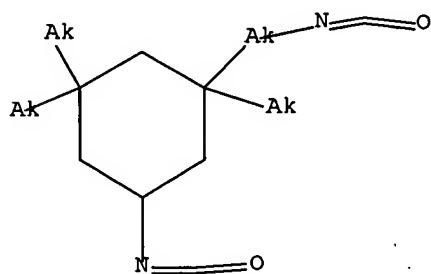
exact/norm bonds :

1-2 1-6 1-9 2-3 3-4 3-7 3-8 4-5 5-6 5-10 5-11 9-14 11-12 12-13 13-16 14-15

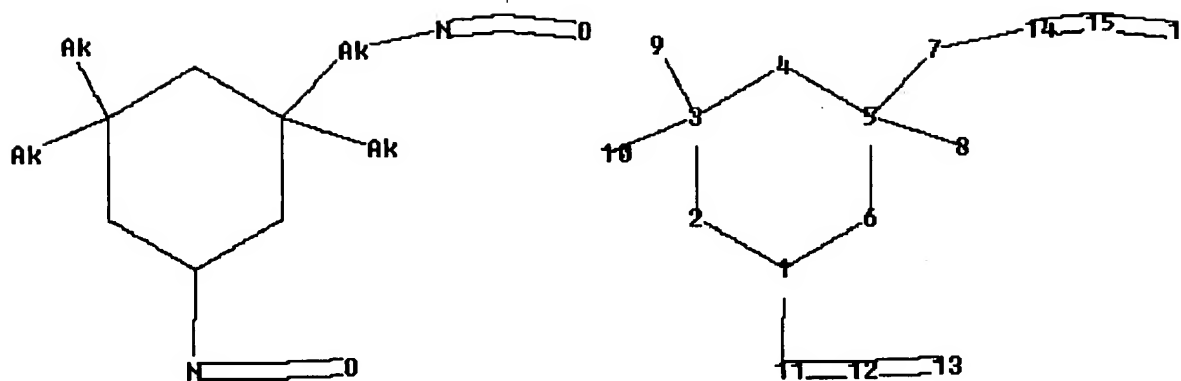
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

L3 13141 SEA FILE=REGISTRY SSS FUL L1
L7 STR



Structure attributes must be viewed using STN Express query preparation:
Uploading L4-BII.str



chain nodes :

7 8 9 10 11 12 13 14 15 16

ring nodes :

1 2 3 4 5 6

chain bonds :

1-11 3-9 3-10 5-7 5-8 7-14 11-12 12-13 14-15 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 1-11 2-3 3-4 3-9 3-10 4-5 5-6 5-7 5-8 7-14 11-12 12-13 14-15
15-16

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

Element Count :

Node 7: Limited

C,C1-7

Node 8: Limited

C,C1-7

Node 9: Limited

C,C1-7

Node 10: Limited

C,C1-7

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L10	6057	SEA FILE=HCAPLUS ABB=ON	PLU=ON L9
L20	81351	SEA FILE=HCAPLUS ABB=ON	PLU=ON HAIR PREPARATIONS+OLD,NT/CT(L) CONDITIONER/OBI OR COSMETICS+OLD,NT/CT OR SHAMPOOS+OLD,NT/CT
L21	145	SEA FILE=HCAPLUS ABB=ON	PLU=ON L10 AND L20
L23	131	SEA FILE=HCAPLUS ABB=ON	PLU=ON L21 AND 62/SC,SX
L24	129	SEA FILE=HCAPLUS ABB=ON	PLU=ON L23 AND PATENT/DT
L25	106	SEA FILE=HCAPLUS ABB=ON	PLU=ON L24 AND (PRY<=2003 OR AY<=2003 OR PY<=2003)
L26	2	SEA FILE=HCAPLUS ABB=ON	PLU=ON L23 NOT L24
L27	2	SEA FILE=HCAPLUS ABB=ON	PLU=ON L26 AND PY<=2003
L28	108	SEA FILE=HCAPLUS ABB=ON	PLU=ON (L25 OR L27)

=> S L28 NOT L16,L32

2 L15

2 L31

L37 108 L28 NOT (L16 OR L32)

=> D L37 IBIB ED ABS HITSTR 1-5; D L37 IBIB ED ABS HITSTR 55-60; D IBIB ED ABS HITSTR 103-108

L37 ANSWER 1 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:492383 HCAPLUS Full-text

DOCUMENT NUMBER: 143:31895

TITLE: Cosmetic packs containing polyurethanes

INVENTOR(S): Uramoto, Tadamitsu; Kamata, Tsutomu

PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005145835	A	20050609	JP 2003-382216	20031112 <--
PRIORITY APPLN. INFO.:			JP 2003-382216	20031112 <--

ED Entered STN: 10 Jun 2005

AB The packs, which show low skin irritation and good film-forming and peeling properties, contain $[O(CH_2)_mO_2CC_6H_4CO]_nO(CH_2)_mO_2CNHCH_2Q_1NHCO_2R_1NR_3R_2O_2CNHQ_2CH_2NHCO[O(CH_2)_mCOC_6H_4CO]_pO(CH_2)_mO_2CNHCH_2Q_1$ ($m = 2-10$; $R_1, R_2 = C_1-4$ alkylene; $R_3 = C_1-4$ alkyl; N substituted with R_3 may quaternized with R_4 ; $R_4 = H, C_1-4$ alkyl with anion; $n, p = 10-1000$ and Q_1 and Q_2 are IPDI moiety). A pack containing an emulsion of Elitel UE 3320-IPDI-N- methyl-diethanolamine copolymer was formulated.

IT 852486-82-9P 852486-83-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetic packs containing polyurethanes)

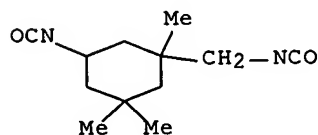
RN 852486-82-9 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

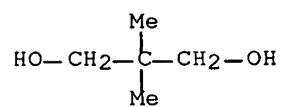
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CM 2

CRN 126-30-7

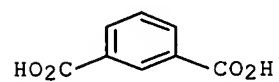
CMF C5 H12 O2



CM 3

CRN 121-91-5

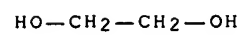
CMF C8 H6 O4



CM 4

CRN 107-21-1

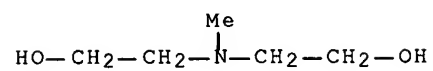
CMF C2 H6 O2



CM 5

CRN 105-59-9

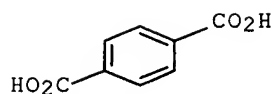
CMF C5 H13 N O2



CM 6

CRN 100-21-0

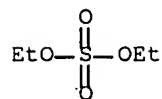
CMF C8 H6 O4



RN 852486-83-0 HCAPLUS
 CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5
 CMF C4 H10 O4 S

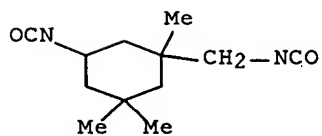


CM 2

CRN 852486-82-9
 CMF (C12 H18 N2 O2 . C8 H6 O4 . C8 H6 O4 . C5 H13 N O2 . C5 H12 O2 . C2 H6 O2)x
 CCI PMS

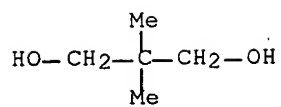
CM 3

CRN 4098-71-9
 CMF C12 H18 N2 O2



CM 4

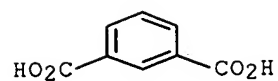
CRN 126-30-7
 CMF C5 H12 O2



CM 5

CRN 121-91-5

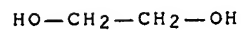
CMF C8 H6 O4



CM 6

CRN 107-21-1

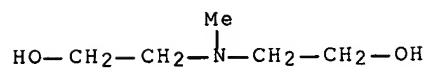
CMF C2 H6 O2



CM 7

CRN 105-59-9

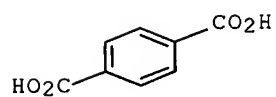
CMF C5 H13 N O2



CM 8

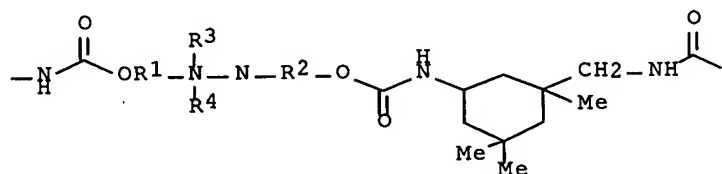
CRN 100-21-0

CMF C8 H6 O4



L37 ANSWER 2 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:470089 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:31888
 TITLE: Makeup compositions containing polyurethanes
 INVENTOR(S): Kamata, Tsutomu; Kuroda, Ayako
 PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: **Patent**
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005139097	A	20050602	JP 2003-375469	20031105 <--
PRIORITY APPLN. INFO.: ED Entered STN: 02 Jun 2005 GI			JP 2003-375469	20031105 <--



I

AB The makeup compns. contain polyurethanes I [m, l = 2-10 integer; R1, R2 = C1-4 alkylene; R3 = C1-4 alkyl; R4 = none, H, C1-4 alkyl having anionic part; A = phenylene; n, p = 10-1000; N+(N) indicates cationic N or nonionic N]. An eye liner containing .apprx.2 weight% WBR 610 (polyester-polyurethane) showed good adhesion to the skin. A polyurethane was prepared from Elitel UE 3320 (phthalate-based polyester diol), isophorone diisocyanate, and N-methyldiethanolamine.

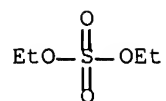
IT **852675-31-1**, WBR 2025
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (WBR 2025, assumed monomers; makeup compns. containing polyester-polyurethanes for long-lasting makeup effect)

RN 852675-31-1 HCAPLUS

CN Benzenedicarboxylic acid, polymer with 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5
 CMF C4 H10 O4 S



CM 2

CRN 852675-30-0

CMF (C12 H18 N2 O2 . C8 H6 O4 . C5 H13 N O2 . C2 H6 O2)x

CCI PMS

CM 3

CRN 29010-86-4

CMF C8 H6 O4

CCI IDS

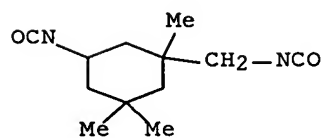


2 [D1-CO2H]

CM 4

CRN 4098-71-9

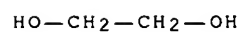
CMF C12 H18 N2 O2



CM 5

CRN 107-21-1

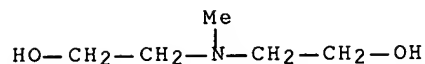
CMF C2 H6 O2



CM 6

CRN 105-59-9

CMF C5 H13 N O2



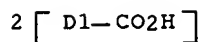
IT **852675-30-0**, Benzenedicarboxylic acid-ethylene glycol-isophorone diisocyanate-N-methyldiethanolamine copolymer
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (WBR 610, assumed monomers; makeup compns. containing polyester-polyurethanes for long-lasting makeup effect)
 RN 852675-30-0 HCAPLUS
 CN Benzenedicarboxylic acid, polymer with 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methyylimino)bis[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 29010-86-4

CMF C8 H6 O4

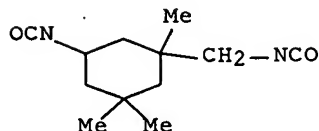
CCI IDS



CM 2

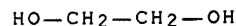
CRN 4098-71-9

CMF C12 H18 N2 O2



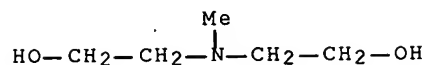
CM 3

CRN 107-21-1
CMF C2 H6 O2



CM 4

CRN 105-59-9
CMF C5 H13 N O2



IT 852486-82-9P 852486-83-0P

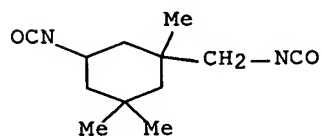
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(comprised of actual and assumed monomers; makeup compns. containing polyester-polyurethanes for long-lasting makeup effect)

RN 852486-82-9 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol] (9CI) (CA INDEX NAME)

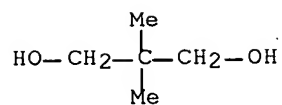
CM 1

CRN 4098-71-9
CMF C12 H18 N2 O2



CM 2

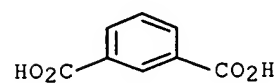
CRN 126-30-7
CMF C5 H12 O2



CM 3

CRN 121-91-5

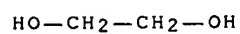
CMF C8 H6 O4



CM 4

CRN 107-21-1

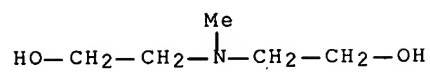
CMF C2 H6 O2



CM 5

CRN 105-59-9

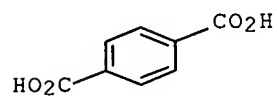
CMF C5 H13 N O2



CM 6

CRN 100-21-0

CMF C8 H6 O4

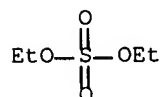


RN 852486-83-0 HCAPLUS
 CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid,
 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-
 (isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-
 (methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX
 NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 852486-82-9

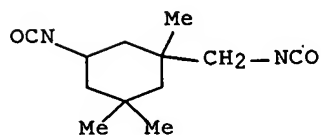
CMF (C12 H18 N2 O2 . C8 H6 O4 . C8 H6 O4 . C5 H13 N O2 . C5 H12 O2 . C2
 H6 O2)x

CCI PMS

CM 3

CRN 4098-71-9

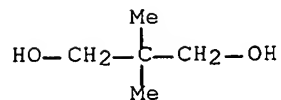
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CM 4

CRN 126-30-7

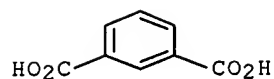
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CM 5

CRN 121-91-5

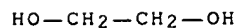
CMF C8 H6 O4



CM 6

CRN 107-21-1

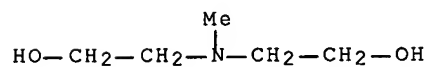
CMF C2 H6 O2



CM 7

CRN 105-59-9

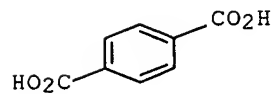
CMF C5 H13 N O2



CM 8

CRN 100-21-0

CMF C8 H6 O4



TITLE: Protective cosmetics containing polyurethanes having skin-moisturizing and barrier function-improving effects

INVENTOR(S): Uramoto, Tadamitsu; Kamata, Tsutomu

PATENT ASSIGNEE(S): Pola Chemical Industries, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF

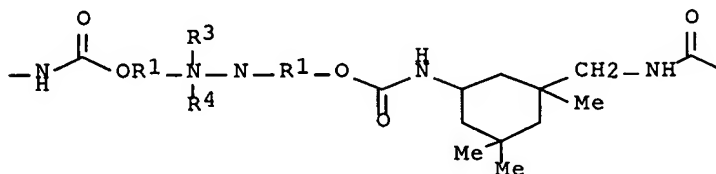
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005139095	A	20050602	JP 2003-375361	20031105 <--
PRIORITY APPLN. INFO.:			JP 2003-375361	20031105 <--
ED Entered STN: 02 Jun 2005				
GI				



I

AB The protective cosmetics contain polyurethanes I [m, l = 2-10 integer; R1, R2 = C1-4 alkylene; R3 = C1-4 alkyl; R4 = none, H, C1-4 alkyl having anionic part; A = phenylene; n, p = 10-1000; N+(N) indicates cationic N or nonionic N]. Preferably, the cosmetics also contain antibacterial polyols and/or phenoxyethanol. A skin cream containing WBR 610 (polyester- polyurethane) 5, glycerin 5, 1,3-butanediol 5, 1,2-hexanediol 3, and phenoxyethanol 0.5 weight% showed 27.5% decrease of TEWL (transepidermal water loss) and good skin-smoothing and -moisturizing effects in humans. A polyurethane was prepared from Elitel UE 3320 (phthalate-based polyester diol), isophorone diisocyanate, and N-methyldiethanolamine.

IT 852675-31-1, WBR 2025

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(WBR 2025, assumed monomers; protective cosmetics having skin-moisturizing and barrier function-improving effects, containing polyester-polyurethanes and optionally, antibacterial polyols and phenoxyethanol)

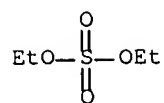
RN 852675-31-1 HCAPLUS

CN Benzenedicarboxylic acid, polymer with 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 852675-30-0

CMF (C12 H18 N2 O2 . C8 H6 O4 . C5 H13 N O2 . C2 H6 O2)x

CCI PMS

CM 3

CRN 29010-86-4

CMF C8 H6 O4

CCI IDS

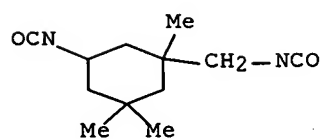


2 [D1-CO₂H]

CM 4

CRN 4098-71-9

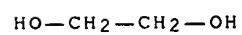
CMF C12 H18 N2 O2



CM 5

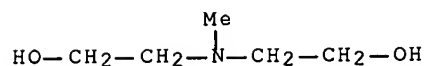
CRN 107-21-1

CMF C2 H6 O2



CM 6

CRN 105-59-9
CMF C5 H13 N O2



IT 852675-30-0, WBR 610

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(WBR 610, assumed monomers; protective cosmetics having skin-moisturizing and barrier function-improving effects, containing polyester-polyurethanes and optionally, antibacterial polyols and phenoxyethanol)

RN 852675-30-0 HCAPLUS

CN Benzenedicarboxylic acid, polymer with 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methyylimino)bis[ethanol] (9CI) (CA INDEX NAME)

CM 1

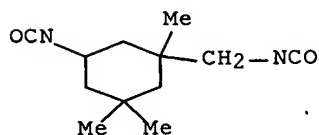
CRN 29010-86-4
CMF C8 H6 O4
CCI IDS



2 [D1-CO2H]

CM 2

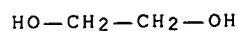
CRN 4098-71-9
CMF C12 H18 N2 O2



CM 3

CRN 107-21-1

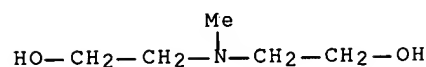
CMF C2 H6 O2



CM 4

CRN 105-59-9

CMF C5 H13 N O2



IT 852486-82-9P 852486-83-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(comprised of actual and assumed monomers; protective cosmetics having skin-moisturizing and barrier function-improving effects, containing polyester-polyurethanes and optionally, antibacterial polyols and phenoxyethanol)

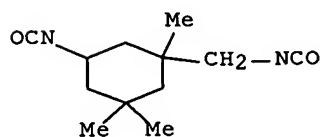
RN 852486-82-9 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

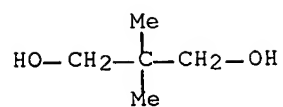
CMF C12 H18 N2 O2



CM 2

CRN 126-30-7

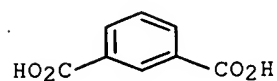
CMF C5 H12 O2



CM 3

CRN 121-91-5

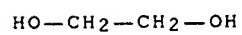
CMF C8 H6 O4



CM 4

CRN 107-21-1

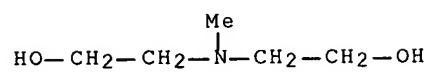
CMF C2 H6 O2



CM 5

CRN 105-59-9

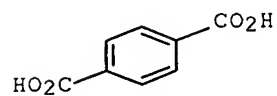
CMF C5 H13 N O2



CM 6

CRN 100-21-0

CMF C8 H6 O4

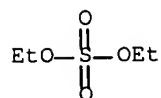


RN 852486-83-0 HCAPLUS
 CN 1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid,
 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 5-isocyanato-1-
 (isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-
 (methylimino)bis[ethanol], compd. with diethyl sulfate (9CI) (CA INDEX
 NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 852486-82-9

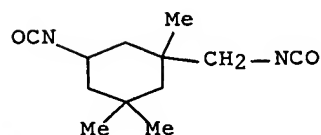
CMF (C12 H18 N2 O2 . C8 H6 O4 . C8 H6 O4 . C5 H13 N O2 . C5 H12 O2 . C2
 H6 O2)x

CCI PMS

CM 3

CRN 4098-71-9

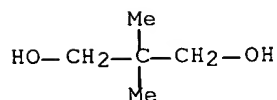
CMF C12 H18 N2 O2



CM 4

CRN 126-30-7

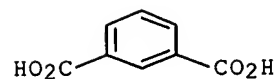
CMF C5 H12 O2



CM 5

CRN 121-91-5

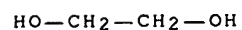
CMF C8 H6 O4



CM 6

CRN 107-21-1

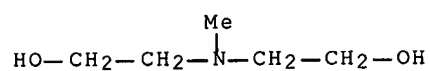
CMF C2 H6 O2



CM 7

CRN 105-59-9

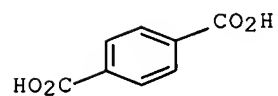
CMF C5 H13 N O2



CM 8

CRN 100-21-0

CMF C8 H6 O4



TITLE: Transparent oil gelling system
 INVENTOR(S): Luo, Dexin; Wang, Tian Xiang; Tabakman, Tatyana;
 Nazar, Shahan; Hasher, Steve; Gubernick, Joseph
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 5 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005112161	A1	20050526	US 2004-985781	20041110 <--
AU 2004291053	A1	20050602	AU 2004-291053	20041108 <--
CA 2545456	A1	20050602	CA 2004-2545456	20041108 <--
WO 2005048766	A2	20050602	WO 2004-US37016	20041108 <--
WO 2005048766	A3	20050811		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1686953	A2	20060809	EP 2004-819057	20041108 <--
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

PRIORITY APPLN. INFO.: US 2003-519583P P 20031113 <--
 WO 2004-US37016 W 20041108

ED Entered STN: 27 May 2005

AB The invention relates to a gellant system comprising gellant effective amts. of at least one silica and at least one sugar fatty acid ester. The gellant system of the invention is useful in gelling polar oils to produce transparent or translucent gels useful in topical compns. : For example, a composition contained castor oil 33.21%, fumed silica 1.79%, sucrose acetate dibutyrate 62.00%, isopropylparaben/isobutylparaben/butylparaben 0.10%, Polyglyceryl-2-diisostearate/IPDI copolymer 2.00%, vitamin E 0.10%, and Me glucose sesquistearate 0.80%.

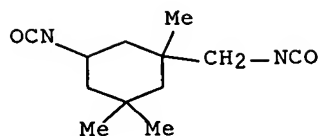
IT **851956-16-6**
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (transparent oil gelation system based on silica and sugar fatty acid ester)

RN 851956-16-6 HCAPLUS

CN 1,2,3-Propanetriol, homopolymer, diisooctadecanoate, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9
 CMF C12 H18 N2 O2



CM 2

CRN 63705-03-3

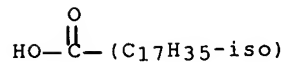
$$\text{CMF} \quad \text{C}_{18} \text{H}_{36} \text{O}_2 \cdot 1/2 (\text{C}_3 \text{H}_8 \text{O}_3)_x$$

CM 3

CRN 30399-84-9

CMF C18 H36 O2

CCI IDS



CM 4

CRN 25618-55-7

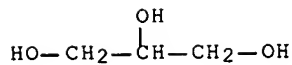
$$\text{CMF} \quad (\text{C3} \quad \text{H8} \quad \text{O3}) \times$$

CCI PMS

CM 5

CRN 56-81-5

CMF C3 H8 O3



L37 ANSWER 5 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:135700 HCAPLUS Full-text

DOCUMENT NUMBER: 142:225257

TITLE: Hollow resin particulates, and cosmetics containing them

INVENTOR(S) : Yamamoto, Yusuke

PATENT ASSIGNEE(S): Sanyo Chemical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005041948	A	20050217	JP 2003-201309	20030724 <--
PRIORITY APPLN. INFO.:			JP 2003-201309	20030724 <--

ED Entered STN: 17 Feb 2005

AB Cosmetics contain hollow resin particulates comprising polymers having Tg -40 to 70°. A polycaprolactone diol was heated with IPDI to give an isocyanate-terminated urethane prepolymer, 50 which was mixed with n-hexane, diethylenetriamine MIBK ketimine, yellow iron oxide, a polyester-polyoxyalkylene-polyurethane (dispersant), and H₂O, the mixture was heated at 50° for 10 h, mixed with 1 part Syloid 978 (antiblocking agent), filtered, dried, and the resulting polyurethane particulates were heated for 5 h in an circulating air dryer to give hollow polyurethane particulates showing Tg 53°, number-average particle size 14.2 µm, hardness 1.5 MPa, and bulk d. 0.62 g/cm³. A cosmetic composition containing the hollow polyurethane particulates 10, squalane 10, talc 20, and mica 35 weight parts showed soft feel and good spreadability on the skin.

IT 834155-55-4P

RL: COS (Cosmetic use); IMF (Industrial manufacture); PRP (Properties);
 BIOL (Biological study); PREP (Preparation); USES (Uses)

(comprised of actual and assumed monomers; preparation of hollow resin
 particulates for imparting soft feel and good spreadability to
 cosmetics)

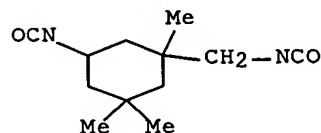
RN 834155-55-4 HCAPLUS

CN Hexanedioic acid, polymer with N-(2-aminoethyl)-1,2-ethanediamine,
 1,2-ethanediol and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-
 trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

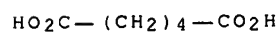
CMF C12 H18 N2 O2



CM 2

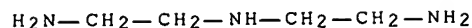
CRN 124-04-9

CMF C6 H10 O4



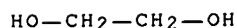
CM 3

CRN 111-40-0
CMF C4 H13 N3



CM 4

CRN 107-21-1
CMF C2 H6 O2



L37 ANSWER 55 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:61630 HCAPLUS Full-text
 DOCUMENT NUMBER: 136:119957
 TITLE: Amphoteric polyurethane compositions for antisoiling
 antiblocking coatings and glossy hair conditioners
 INVENTOR(S): Koyama, Katsuya; Asaoka, Seiji; Sakurai, Akio;
 Hashimoto, Tomohiro
 PATENT ASSIGNEE(S): Nippon NSC K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: **Patent**
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2002020451	A	20020123	JP 2000-207307	20000707 <--
PRIORITY APPLN. INFO.:			JP 2000-207307	20000707 <--

ED Entered STN: 23 Jan 2002

AB Title compns. contain polyurethanes bearing CO₂H groups and tertiary amino groups, and have structural repeating units derived from (HOR₂)CR₁(R₃OH)R₄OR₅SiR₆R₇(OSiR₈R₉)mR₁₀ (R₁ = C₁-24 alkyl; R₂-R₄ = C₁-3 alkylene; R₅ = C₃-5 alkylene; R₆-R₉ = C₁-20 alkyl; R₁₀ = Me, Et; m = 1-200). Thus, aqueous solution of amphoteric polyurethane-polysiloxane graft copolymer prepared from IPDI 70, poly(hexamethylene adipate) (mol. weight 2000) 220, (OHCH₂)₂CEtCH₂OC₃H₆SiMe₂(OSiMe₂)mMe (mol. weight 1000) 8, dimethylolbutanoic acid 14, N-methyldiethanolamine 2, and Et₃N 9 g was applied on a glass plate to give a transparent coating with gloss ≥80 at 60° and gloss retention >80 when exposed to outdoors for 2 mo.

IT **391241-18-2DP**, 1,4-Cyclohexanedimethanol-dimethylolbutanoic acid-dimethylsilanediol-IPDI-N-methyldiethanolamine-polyethylene

glyol-polypropylene glycol graft copolymer potassium salt,
 trimethylsilyl-terminated **391241-20-6DP**, 1,4-
 Cyclohexanedimethanol-dimethylolbutanoic acid-dimethylsilanediol-IPDI-N-
 methyldiethanolamine-polyethylene glyol-polypropylene glycol-
 trimethylolpropane copolymer potassium salt, trimethylsilyl-terminated
 RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological
 study); PREP (Preparation); USES (Uses)

(siloxane-grafted amphoteric polyurethane compns. for antisoiling
 antiblocking coatings and glossy hair conditioners)

RN 391241-18-2 HCAPLUS

CN Butanoic acid, bis(hydroxymethyl)-, polymer with 1,4-
 cyclohexanedimethanol, dimethylsilanediol, α -hydro- ω -
 hydroxypoly(oxy-1,2-ethanediyl), α -hydro- ω -
 hydroxypoly[oxy(methyl-1,2-ethanediyl)], 5-isocyanato-1-(isocyanatomethyl)-
 1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], graft,
 potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 391241-17-1

CMF (C12 H18 N2 O2 . C8 H16 O2 . C6 H12 O4 . C5 H13 N O2 . (C3 H6 O)n H2
 O . C2 H8 O2 Si . (C2 H4 O)n H2 O)x

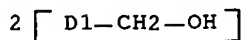
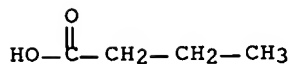
CCI PMS

CM 2

CRN 56743-27-2

CMF C6 H12 O4

CCI IDS

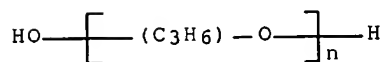


CM 3

CRN 25322-69-4

CMF (C3 H6 O)n H2 O

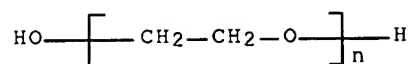
CCI IDS, PMS



CM 4

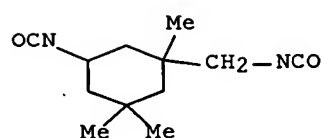
CRN 25322-68-3

CMF (C2 H4 O)n H2 O
CCI PMS



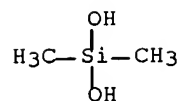
CM 5

CRN 4098-71-9
CMF C12 H18 N2 O2



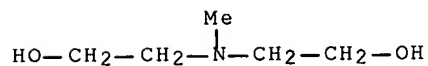
CM 6

CRN 1066-42-8
CMF C2 H8 O2 Si



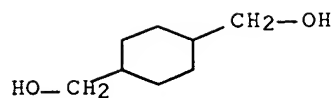
CM 7

CRN 105-59-9
CMF C5 H13 N O2



CM 8

CRN 105-08-8
CMF C8 H16 O2



RN 391241-20-6 HCAPLUS
 CN Butanoic acid, bis(hydroxymethyl)-, polymer with 1,4-cyclohexanedimethanol, dimethylsilanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)], 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methyylimino)bis[ethanol], potassium salt (9CI) (CA INDEX NAME)

CM 1

CRN 391241-19-3

CMF (C12 H18 N2 O2 . C8 H16 O2 . C6 H14 O3 . C6 H12 O4 . C5 H13 N O2 . (C3 H6 O)n H2 O . C2 H8 O2 Si . (C2 H4 O)n H2 O)x

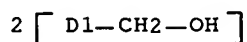
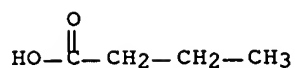
CCI PMS

CM 2

CRN 56743-27-2

CMF C6 H12 O4

CCI IDS

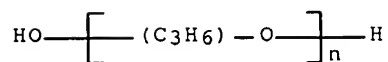


CM 3

CRN 25322-69-4

CMF (C3 H6 O)n H2 O

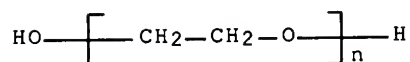
CCI IDS, PMS



CM 4

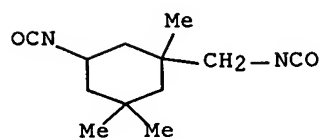
CRN 25322-68-3

CMF (C2 H4 O)n H2 O
CCI PMS



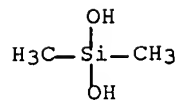
CM 5

CRN 4098-71-9
CMF C12 H18 N2 O2



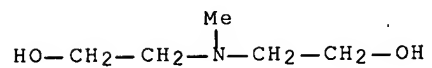
CM 6

CRN 1066-42-8
CMF C2 H8 O2 Si



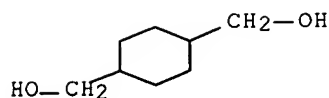
CM 7

CRN 105-59-9
CMF C5 H13 N O2



CM 8

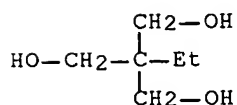
CRN 105-08-8
CMF C8 H16 O2



CM 9

CRN 77-99-6

CMF C6 H14 O3



IT **391241-10-4DP**, trimethylsilyl-terminated **391241-13-7DP**, Adipic acid-dimethylolbutanoic acid-dimethylsilanediol-1,6-hexanediol-IPDI-N-methyldiethanolamine-polyethylene glycol graft copolymer triethylamine salt, trimethylsilyl-terminated **391241-16-ODP**, Adipic acid-dimethylolbutanoic acid-dimethylsilanediol-1,6-hexanediol-IPDI-N-methyldiethanolamine-trimethylolpropane copolymer triethylamine salt, trimethylsilyl-terminated

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(siloxane-grafted amphoteric polyurethane compns. for antisoiling antiblocking coatings and glossy hair conditioners)

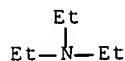
RN 391241-10-4 HCAPLUS

CN Hexanedioic acid, polymer with bis(hydroxymethyl)butanoic acid, dimethylsilanediol, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], graft, compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8

CMF C6 H15 N



CM 2

CRN 391241-09-1

CMF (C12 H18 N2 O2 . C6 H14 O2 . C6 H12 O4 . C6 H10 O4 . C5 H13 N O2 . C2 H8 O2 Si)x

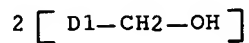
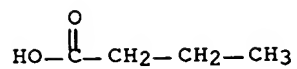
CCI PMS

CM 3

CRN 56743-27-2

CMF C6 H12 O4

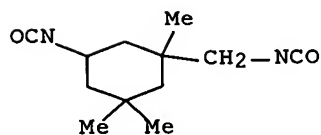
CCI IDS



CM 4

CRN 4098-71-9

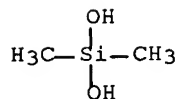
CMF C12 H18 N2 O2



CM 5

CRN 1066-42-8

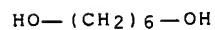
CMF C2 H8 O2 Si



CM 6

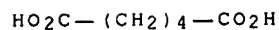
CRN 629-11-8

CMF C6 H14 O2



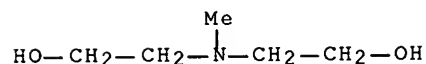
CM 7

CRN 124-04-9
CMF C6 H10 O4



CM 8

CRN 105-59-9
CMF C5 H13 N O2

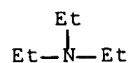


RN 391241-13-7 HCAPLUS

CN Hexanedioic acid, polymer with bis(hydroxymethyl)butanoic acid, dimethylsilanediol, 1,6-hexanediol, α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl), 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], graft, compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8
CMF C6 H15 N



CM 2

CRN 391241-12-6

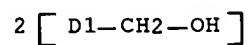
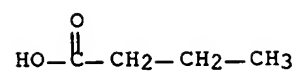
CMF (C12 H18 N2 O2 . C6 H14 O2 . C6 H12 O4 . C6 H10 O4 . C5 H13 N O2 . C2 H8 O2 Si . (C2 H4 O)n H2 O)x

CCI PMS

CM 3

CRN 56743-27-2
CMF C6 H12 O4

CCI IDS

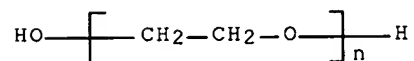


CM 4

CRN 25322-68-3

CMF (C2 H4 O)_n H2 O

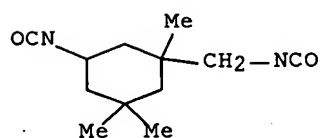
CCI PMS



CM 5

CRN 4098-71-9

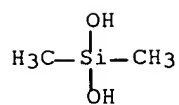
CMF C12 H18 N2 O2



CM 6

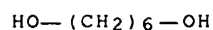
CRN 1066-42-8

CMF C2 H8 O2 Si



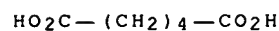
CM 7

CRN 629-11-8
CMF C6 H14 O2



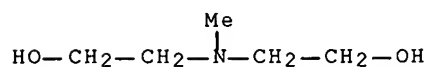
CM 8

CRN 124-04-9
CMF C6 H10 O4



CM 9

CRN 105-59-9
CMF C5 H13 N O2

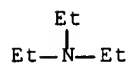


RN 391241-16-0 HCAPLUS

CN Hexanedioic acid, polymer with bis(hydroxymethyl)butanoic acid, dimethylsilanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-(methylimino)bis[ethanol], compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8
CMF C6 H15 N



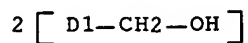
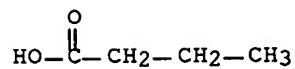
CM 2

CRN 391241-15-9

CMF (C12 H18 N2 O2 . C6 H14 O3 . C6 H14 O2 . C6 H12 O4 . C6 H10 O4 . C5
H13 N O2 . C2 H8 O2 Si)x
CCI PMS

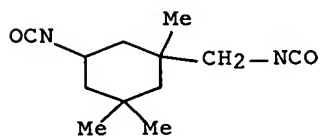
CM 3

CRN 56743-27-2
CMF C6 H12 O4
CCI IDS



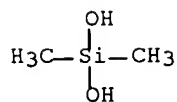
CM 4

CRN 4098-71-9
CMF C12 H18 N2 O2



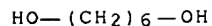
CM 5

CRN 1066-42-8
CMF C2 H8 O2 Si



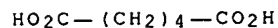
CM 6

CRN 629-11-8
CMF C6 H14 O2



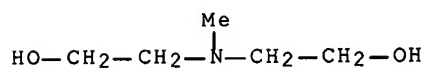
CM 7

CRN 124-04-9
CMF C6 H10 O4



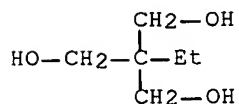
CM 8

CRN 105-59-9
CMF C5 H13 N O2



CM 9

CRN 77-99-6
CMF C6 H14 O3



L37 ANSWER 56 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:816398 HCAPLUS Full-text
DOCUMENT NUMBER: 135:362354
TITLE: Cosmetic compositions containing film forming polymers
plasticized with esters of malic acid
INVENTOR(S): Patil, Anjali Abhimanyu; Calello, Joseph Frank
PATENT ASSIGNEE(S): Revlon Consumer Products Corporation, USA
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001082866	A2	20011108	WO 2001-US13946	20010501 <--
WO 2001082866	A3	20020314		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6342209	B1	20020129	US 2000-564448	20000504 <--
AU 200159281	A	20011112	AU 2001-59281	20010501 <--
PRIORITY APPLN. INFO.:			US 2000-564448	A 20000504 <--
			WO 2001-US13946	W 20010501 <--

ED Entered STN: 09 Nov 2001

AB A cosmetic composition for application to keratinous surfaces, such as a nail enamel, mascara, or makeup, contains at least one film-forming polymer and a plasticizer which is a C1-20 ester of malic acid. A film-forming polymer is (i) a synthetic polymer comprising acrylic acid, acrylic acid esters, and methacrylic acid esters monomers, and (ii) a natural polymer such as hydrolyzed keratin or cellulose. For example, a sun blocking cream was prepared containing Dow Corning 749 Fluid (film-forming polymer) 30.0%, iron oxide 3.5%, titanium dioxide 20.0%, zinc oxide 5.0%, boron nitride 7.8%, dioctyl malate (plasticizer) 0.20%, Dow Corning Silastic Q7-4350 (film-forming polymer) 7.0%, hexamethyl disiloxane 10%, cyclomethicone 11.5%, and trifluoropropylmethyl polysiloxane 5.0%.

IT 287724-77-0, Luviset PUR

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cosmetic compns. containing film-forming polymers plasticized with esters of malic acid)

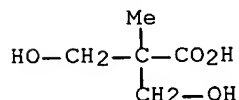
RN 287724-77-0 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2-methyl-2,4-pentanediol (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

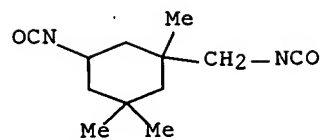
CMF C5 H10 O4



CM 2

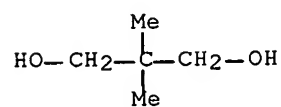
CRN 4098-71-9

CMF C12 H18 N2 O2



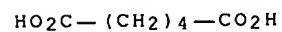
CM 3

CRN 126-30-7
CMF C5 H12 O2



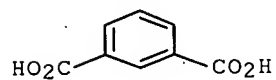
CM 4

CRN 124-04-9
CMF C6 H10 O4



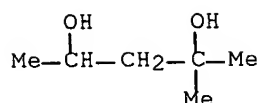
CM 5

CRN 121-91-5
CMF C8 H6 O4



CM 6

CRN 107-41-5
CMF C6 H14 O2



L37 ANSWER 57 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:693795 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:262004
 TITLE: Hair styling compositions containing polymers
 INVENTOR(S): Brandt, Lorelei Marie; Neill, Paul Howard; Wydila, John Edward
 PATENT ASSIGNEE(S): Unilever Home & Personal Care Usa, Division of Conopco, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 9 pp., Cont. of U.S. Ser. No. 275,149.
 CODEN: USXXCO
 DOCUMENT TYPE: **Patent**
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001022967	A1	20010920	US 2001-826498	20010404 <--
US 7179451	B2	20070220		
CA 2300491	A1	20000924	CA 2000-2300491	20000313 <--
			US 1999-275149	A1 19990324 <--

PRIORITY APPLN. INFO.:

ED Entered STN: 21 Sep 2001

AB The composition comprises: <1.5% 1 or more holding polymers, 1 or more saccharides having monomeric units >2, and a carrier. Thus, a formulation contained hydroxyethyl cellulose 0.125, Polymer-1189 [1-vinyl-2-pyrrolidone/vinylcaprolactam-3-(N-dimethylaminopropyl)methacrylamide] copolymer 3.125 and water qs to 100%. The effect of the formulation on the hair curl retention was determined

IT **287724-77-0**, Luviset PUR

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hair styling compns. containing polymers)

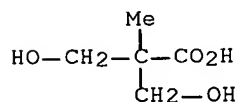
RN 287724-77-0 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2-methyl-2,4-pentanediol (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

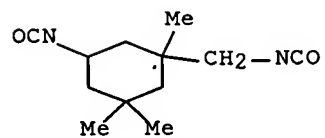
CMF C5 H10 O4



CM 2

CRN 4098-71-9

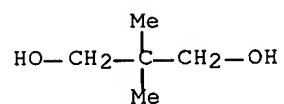
CMF C12 H18 N2 O2



CM 3

CRN 126-30-7

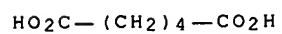
CMF C5 H12 O2



CM 4

CRN 124-04-9

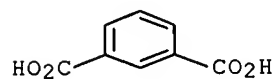
CMF C6 H10 O4



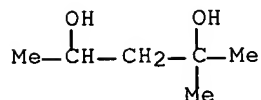
CM 5

CRN 121-91-5

CMF C8 H6 O4



CM 6

CRN 107-41-5
CMF C6 H14 O2

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 58 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:564806 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:157380
 TITLE: Cleansing articles containing isolated benefit areas
 INVENTOR(S): Beck, Petra Helga; Lorenzi, Marc Paul; Phipps, Nicola
 Jacqueline
 PATENT ASSIGNEE(S): Procter + Gamble Company, USA
 SOURCE: PCT Int. Appl., 125 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: **Patent**
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001054661	A1	20010802	WO 2001-US2468	20010125 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2396627	A1	20010802	CA 2001-2396627	20010125 <--
AU 2001034561	A5	20010807	AU 2001-34561	20010125 <--
EP 1250123	A1	20021023	EP 2001-906678	20010125 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001007791	A	20030218	BR 2001-7791	20010125 <--
JP 2003521490	T	20030715	JP 2001-555640	20010125 <--
PRIORITY APPLN. INFO.:			US 2000-493528	A 20000128 <--
			WO 2001-US2468	W 20010125 <--

ED Entered STN: 03 Aug 2001

AB The present invention relates to an article suitable for cleansing wherein the article comprises: (a) a substrate sheet which comprises: (1) a first substrate layer; and (2) a second substrate layer attached to said first layer; (b) a cleansing component disposed adjacent to said substrate sheet; and (c) a therapeutic benefit component disposed adjacent to said substrate

sheet wherein said therapeutic benefit component occupies less than about 50 cm² of the substrate sheet per g of therapeutic benefit component. In a preferred embodiment, the present invention also relates to the above-described article wherein the second substrate layer is sealed to the first layer to thereby form at least one reservoir seal in at least one surface of said substrate sheet wherein the reservoir seal is in a form selected from the group consisting of shapes, designs, logos, and combinations thereof. In another embodiment, the cleansing article of the present invention may be modified to impart solely therapeutic benefits. This article comprises: (a) a substrate sheet which comprises: (1) a first substrate layer; and (2) a second substrate layer attached to said first layer; and (b) a therapeutic benefit component disposed adjacent to said substrate sheet wherein said therapeutic benefit component occupies less than about 50 cm² of the substrate sheet per g of therapeutic benefit component. The present invention further relates to methods of use for the articles disclosed. A soap bar contained magnesium and sodium soap 80.16, water 11.50, stearic acid 5.70, sodium chloride 1.10, EDTA 0.25, perfume 1.15, and excipients 0.14%.

IT 220579-72-6, Sancure 2710

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cleansing articles containing isolated benefit areas)

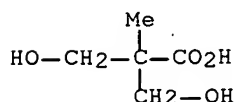
RN 220579-72-6 HCAPLUS

CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,2-propanediol (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

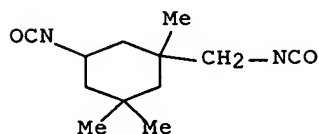
CMF C5 H10 O4



CM 2

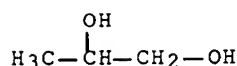
CRN 4098-71-9

CMF C12 H18 N2 O2



CM 3

CRN 57-55-6
CMF C3 H8 O2



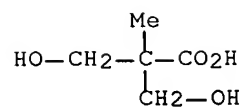
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 59 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:516273 HCAPLUS Full-text
DOCUMENT NUMBER: 135:81803
TITLE: Hair cosmetic composition containing a cationic fructan and a capped polymer
INVENTOR(S): Dubief, Claude; Restle, Serge
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: Fr. Demande, 31 pp.
CODEN: FRXXBL
DOCUMENT TYPE: **Patent**
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2795954	A1	20010112	FR 1999-8962	19990709 <--
FR 2795954	B1	20010907		
PRIORITY APPLN. INFO.:			FR 1999-8962	19990709 <--
ED Entered STN: 18 Jul 2001				
AB A cosmetic composition is disclosed which is intended for treatment of keratinous materials such as the hair and comprises a cosmetically acceptable vehicle, at least one capped polymer such as an anionic, non-ionic, or amphoteric polymer, and at least one fructan possessing an amino group. The composition may be used for washing and maintaining the hair or for shaping the coiffure.				
IT 287724-77-0 , LUIVET PUR				
RL: BUU (Biological use, unclassified); NUU (Other use, unclassified);				
BIOL (Biological study); USES (Uses)				
(hair cosmetic composition containing a cationic fructan and a capped polymer)				
RN 287724-77-0 HCAPLUS				
CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2-methyl-2,4-pentanediol (9CI) (CA INDEX NAME)				

CM 1

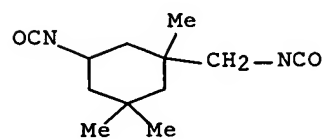
CRN 4767-03-7
CMF C5 H10 O4



CM 2

CRN 4098-71-9

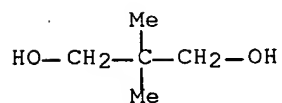
CMF C12 H18 N2 O2



CM 3

CRN 126-30-7

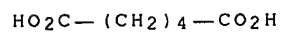
CMF C5 H12 O2



CM 4

CRN 124-04-9

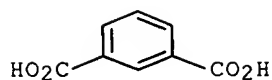
CMF C6 H10 O4



CM 5

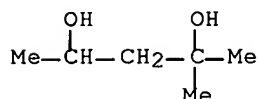
CRN 121-91-5

CMF C8 H6 O4



CM 6

CRN 107-41-5
CMF C6 H14 O2



L37 ANSWER 60 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2001:380368 HCAPLUS Full-text
 DOCUMENT NUMBER: 134:371625
 TITLE: Personal care articles comprising anionic polymer
 coacervate compositions
 INVENTOR(S): Smith, Edward Dewey, III; Beerse, Peter William
 PATENT ASSIGNEE(S): The Procter + Gamble Company, USA
 SOURCE: PCT Int. Appl., 61 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: **Patent**
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001035924	A1	20010525	WO 2000-US31935	20001120 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2391014	A1	20010525	CA 2000-2391014	20001120 <--
AU 2001019242	A5	20010530	AU 2001-19242	20001120 <--
BR 2000015656	A	20020806	BR 2000-15656	20001120 <--
EP 1229899	A1	20020814	EP 2000-982177	20001120 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003514005	T	20030415	JP 2001-537717	20001120 <--
PRIORITY APPLN. INFO.:			US 1999-166587P	P 19991119 <--
			WO 2000-US31935	W 20001120 <--
ED Entered STN: 27 May 2001				

AB The present invention relates to a substantially dry, disposable personal care article comprising: (a) a water insol. substrate comprising a nonwoven layer; and (b) a therapeutic benefit component, disposed adjacent to said water insol. substrate, wherein said component comprises from about 10 to about 1000 , by weight of the water insol. substrate, of a therapeutic benefit composition comprising: (1) a safe and effective amount of anionic polymer; (2) a safe and effective amount of a cationic surfactant; wherein said composition forms a coacervate when said article is exposed to water. These articles have been found to be particularly useful for personal cleansing applications, namely for the skin and hair. Thus, the present invention further relates to methods of cleansing and/or therapeutically treating (e.g., conditioning) skin and hair utilizing the articles of the present invention. A representative powdery cleansing component for the article of present invention is prepared comprising soap 80.16, water 11.50, stearic acid 5.70, sodium chloride 1.10, EDTA 0.25, perfume 1.15, and miscellaneous (including pigments) 0.14%.

IT 220579-72-6, Sancure 2710

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(personal care articles comprising anionic polymer coacervate compns.)

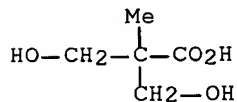
RN 220579-72-6 HCAPLUS

CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1,2-propanediol (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

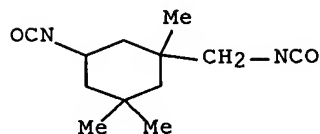
CMF C5 H10 O4



CM 2

CRN 4098-71-9

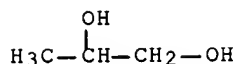
CMF C12 H18 N2 O2



CM 3

CRN 57-55-6

CMF C3 H8 O2



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 103 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1997:389135 HCAPLUS Full-text
 DOCUMENT NUMBER: 127:8929
 TITLE: Hair sprays containing film-forming polymer and amine salt
 INVENTOR(S): Nguyen Kim, Son; Sperling, Karin
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 9 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: **Patent**
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19541329	A1	19970507	DE 1995-19541329	19951106 <--
WO 9717052	A1	19970515	WO 1996-EP4857	19961106 <--
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 859585	A1	19980826	EP 1996-938121	19961106 <--
EP 859585	B1	20020911		
EP 859585	B2	20060614		
R: DE, ES, FR, GB, IT				
JP 11514660	T	19991214	JP 1997-517855	19961106 <--
ES 2183982	T3	20030401	ES 1996-938121	19961106 <--
US 6368583	B1	20020409	US 1998-68007	19980429 <--
PRIORITY APPLN. INFO.:			DE 1995-19541329	A 19951106 <--
			WO 1996-EP4857	W 19961106 <--

OTHER SOURCE(S): MARPAT 127:8929

ED Entered STN: 23 Jun 1997

AB Hair-setting sprays containing a water-soluble or -dispersible film-forming polymer and a salt (AX_n)_n·(HmB)_m⁺ (A = aliphatic, cycloaliph., or aromatic residue with 1-3 substituents selected from OH, NH₂, C1-6-alkyl, C1-6-alkoxy, mono- or polyhydroxy-C1-6-alkyl; A, if aliphatic, may contain 0-30 CONH groups, or if cycloaliph., may contain CON; X = carboxylate, sulfonate, phosphate, phosphonate; B = amine; n = 1-30; m = valence of amine) are readily washed out of the hair and can be formulated in media with a volatile organic compound content of <60%, including purely aqueous media. Thus, a polyurethane was prepared by condensation of isophthalic acid, adipic acid, hexanediol, diethylene glycol, dimethylolpropanoic acid, and isophorone diisocyanate. A film containing this polyurethane 95 and the salt of isophthalic acid and 2-amino-2-methylpropanol (1:2) 5 weight% was readily redispersible in water.

IT 190211-11-1

RL: BUU (Biological use, unclassified); PEP (Physical, engineering or

chemical process); BIOL (Biological study); PROC (Process); USES (Uses)
(hair sprays containing film-forming polymer and amine salt)

RN 190211-11-1 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with hexanedioic acid, hexanediol,
3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-
(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-oxybis[ethanol]
(9CI) (CA INDEX NAME)

CM 1

CRN 26762-52-7

CMF C6 H14 O2

CCI IDS

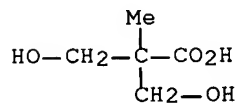
Me—(CH₂)₄—Me

2 (D1—OH)

CM 2

CRN 4767-03-7

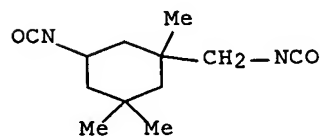
CMF C5 H10 O4



CM 3

CRN 4098-71-9

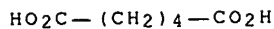
CMF C12 H18 N2 O2



CM 4

CRN 124-04-9

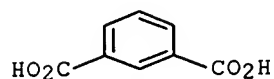
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CM 5

CRN 121-91-5

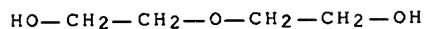
CMF C8 H6 O4



CM 6

CRN 111-46-6

CMF C4 H10 O3



L37 ANSWER 104 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1997:234556 HCAPLUS Full-text
 DOCUMENT NUMBER: 126:306276
 TITLE: Cold seal adhesives, cold sealable films and packages formed therewith
 INVENTOR(S): Zhang, Tianhong
 PATENT ASSIGNEE(S): Century International Adhesives & Coating Corp., USA
 SOURCE: U.S., 5 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: **Patent**
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
US 5616400	A	19970401	US 1995-559844	19951120 <--
EP 774501	A2	19970521	EP 1996-307963	19961104 <--
EP 774501	A3	19980902		
EP 774501	B1	20000906		
R: DE, DK, ES, FR, GB, IE, IT				
ES 2151997	T3	20010116	ES 1996-307963	19961104 <--
ZA 9609517	A	19970618	ZA 1996-9517	19961113 <--
AU 9671801	A	19970529	AU 1996-71801	19961118 <--
AU 712044	B2	19991028		

US 5692937 A 19971202 US 1997-780460 19970108 <--
 PRIORITY APPLN. INFO.: US 1995-559844 A 19951120 <--

ED Entered STN: 11 Apr 1997

AB The cold-seal adhesives contain no natural rubber and are capable of forming dry coatings on flexible films which adhere to one another with com. acceptable packaging strength at room temperature by pressure contact, but also allow such layered substrates to be reeled into rolls and stored for extended periods of time without blocking. The flexible films are usable in forming packages, particularly for cosmetics and pharmaceuticals, without need for heat sealing. Such cold-seal adhesives are aqueous dispersions having a Zahn Cup #2 viscosity 16-40 s and containing 30-50% solids content of a polyurethane ionomer reaction product of 50-80% polyester polyol, 15-25% aliphatic diisocyanate and 3-6% dimethylol propionic acid neutralized with a base selected from tertiary amines and alkali metal hydroxides and the reaction product possesses a Tg of between -20° to 5°.

IT 189194-17-0 189211-82-3

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(cold seal adhesives and cold-sealable films for cosmetic and pharmaceutical packages)

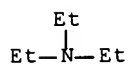
RN 189194-17-0 HCAPLUS

CN Hexanedioic acid, polymer with 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-oxybis[ethanol], compd. with N,N-diethylethanamine (9CI) (CA INDEX NAME)

CM 1

CRN 121-44-8

CMF C6 H15 N



CM 2

CRN 130448-67-8

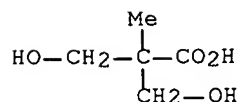
CMF (C12 H18 N2 O2 . C6 H10 O4 . C5 H10 O4 . C4 H10 O3)x

CCI PMS

CM 3

CRN 4767-03-7

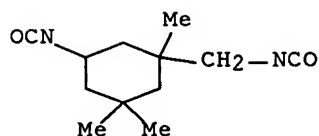
CMF C5 H10 O4



CM 4

CRN 4098-71-9

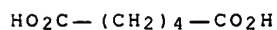
CMF C12 H18 N2 O2



CM 5

CRN 124-04-9

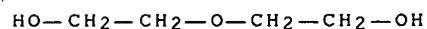
CMF C6 H10 O4



CM 6

CRN 111-46-6

CMF C4 H10 O3



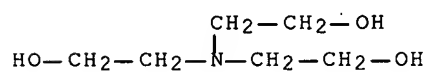
RN 189211-82-3 HCAPLUS

CN Hexanedioic acid, polymer with 2,2'-[1,2-ethanediylbis(oxy)]bis[ethanamine], 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2'-oxybis[ethanol], compd. with 2,2',2''-nitrilotris[ethanol] (9CI) (CA INDEX NAME)

CM 1

CRN 102-71-6

CMF C6 H15 N O3



CM 2

CRN 189211-81-2

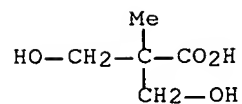
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CCI PMS

CM 3

CRN 4767-03-7

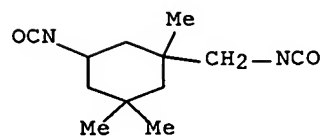
CMF C5 H10 O4



CM 4

CRN 4098-71-9

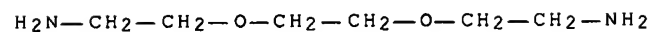
CMF C12 H18 N2 O2



CM 5

CRN 929-59-9

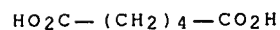
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CM 6

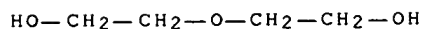
CRN 124-04-9

CMF C6 H10 O4



CM 7

CRN 111-46-6
CMF C4 H10 O3



L37 ANSWER 105 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1995:189925 HCAPLUS Full-text
 DOCUMENT NUMBER: 122:196529
 TITLE: Cationic polyurethanes and polyureas as excipients in
 cosmetic and pharmaceutical compositions
 INVENTOR(S): Nguyen Kim, Son; Sanner, Axel; Sperling-Vietmeier,
 Karin; Hoessel, Peter
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: **Patent**
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4241118	A1	19940609	DE 1992-4241118	19921207 <--
CA 2148805	A1	19940623	CA 1993-2148805	19931125 <--
WO 9413724	A1	19940623	WO 1993-EP3306	19931125 <--
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 672076	A1	19950920	EP 1994-901874	19931125 <--
EP 672076	B1	19971022		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
JP 08504454	T	19960514	JP 1993-513718	19931125 <--
ES 2108415	T3	19971216	ES 1994-901874	19931125 <--
JP 3369180	B2	20030120	JP 1994-513718	19931125 <--
US 6335003	B1	20020101	US 1995-424527	19950530 <--
PRIORITY APPLN. INFO.:			DE 1992-4241118	A 19921207 <--
			WO 1993-EP3306	W 19931125 <--

ED Entered STN: 15 Nov 1994

AB Title polyurethanes, with a glass transition temperature of $\geq 25^\circ$ and an amine number of 50-200, are prepared from (a) ≥ 1 diisocyanate or its reaction product with ≥ 1 compound having ≥ 2 active H atoms/mol. and (b) ≥ 1 diol having ≥ 1 tertiary, quaternary, or protonated tertiary amino group or primary or secondary amino alc. or primary or secondary di- or triamine. These polymers, used e.g. in hair sprays, show good elasticity without excessive moisture uptake at high humidity, and are readily washed out of the hair. Thus, a block copolymer prepared from an isophthalic acid/adipic acid/1,6-hexanediol copolymer 0.5, N-methyldipropylenetriamine 1, neopentyl glycol 2, 2-aminoethylpiperazine 3, and isophorone diisocyanate 6.5 parts (mol ratio) and protonated with lactic acid had amine number 83.6, had a glass transition temperature of 72° and was soluble in EtOH and dispersible in H₂O. An aerosol

hair spray contained this copolymer 5, distilled H₂O 12, absolute EtOH 60, and Me₂O 25 weight%.

IT 161747-36-0 161747-37-1 161747-38-2
161747-39-3 161747-40-6 161747-41-7

RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(cationic polyurethanes and polyureas as excipients in cosmetic and pharmaceutical compns.)

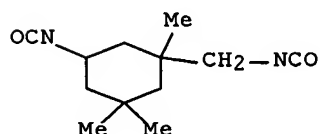
RN 161747-36-0 HCAPLUS

CN Ethanol, 2,2'-(methylimino)bis-, polymer with N-(3-aminopropyl)-N-methyl-1,3-propanediamine and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

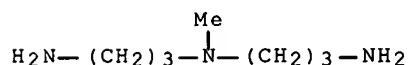
CMF C12 H18 N2 O2



CM 2

CRN 105-83-9

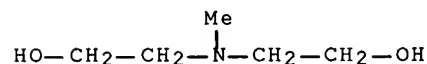
CMF C7 H19 N3



CM 3

CRN 105-59-9

CMF C5 H13 N O2



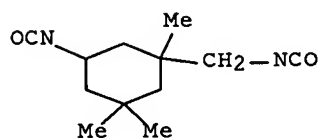
RN 161747-37-1 HCAPLUS

CN 1,3-Propanediamine, N-(3-aminopropyl)-N-methyl-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and piperazine (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

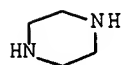
CMF C12 H18 N2 O2



CM 2

CRN 110-85-0

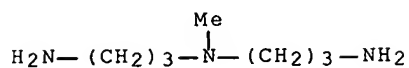
CMF C4 H10 N2



CM 3

CRN 105-83-9

CMF C7 H19 N3



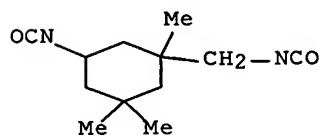
RN 161747-38-2 HCAPLUS

CN 1,3-Propanediamine, N-(3-aminopropyl)-N-methyl-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1-piperazineethaneamine (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

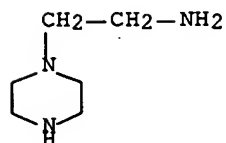
CMF C12 H18 N2 O2



CM 2

CRN 140-31-8

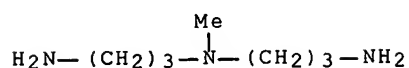
CMF C6 H15 N3



CM 3

CRN 105-83-9

CMF C7 H19 N3



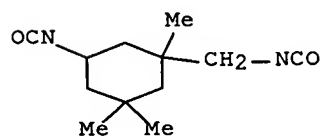
RN 161747-39-3 HCAPLUS

CN Propanoic acid, 2-hydroxy-, polymer with N-(3-aminopropyl)-N-methyl-1,3-propanediamine, 1,2-ethanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1-piperazineethanamine, block (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

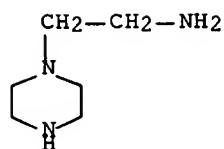
CMF C12 H18 N2 O2



CM 2

CRN 140-31-8

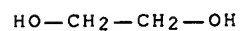
CMF C6 H15 N3



CM 3

CRN 107-21-1

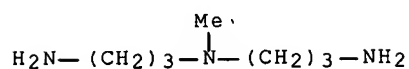
CMF C2 H6 O2



CM 4

CRN 105-83-9

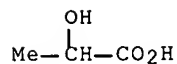
CMF C7 H19 N3



CM 5

CRN 50-21-5

CMF C3 H6 O3



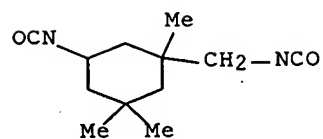
RN 161747-40-6 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with N-(3-aminopropyl)-N-methyl-1,3-propanediamine, 2,2-dimethyl-1,3-propanediol, hexanedioic acid, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1-piperazineethanamine, block (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

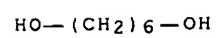
CMF C12 H18 N2 O2



CM 2

CRN 629-11-8

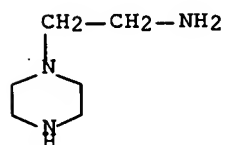
CMF C6 H14 O2



CM 3

CRN 140-31-8

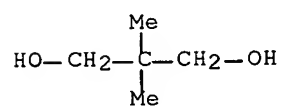
CMF C6 H15 N3



CM 4

CRN 126-30-7

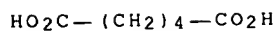
CMF C5 H12 O2



CM 5

CRN 124-04-9

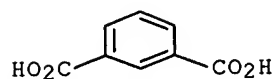
CMF C6 H10 O4



CM 6

CRN 121-91-5

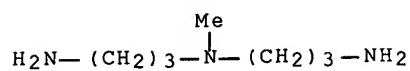
CMF C8 H6 O4



CM 7

CRN 105-83-9

CMF C7 H19 N3



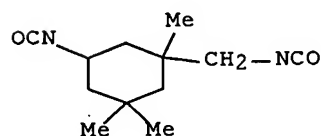
RN 161747-41-7 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with N-(3-aminopropyl)-N-methyl-1,3-propanediamine, hexanedioic acid, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 1-piperazineethanamine, block (9CI) (CA INDEX NAME)

CM 1

CRN 4098-71-9

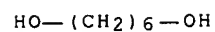
CMF C12 H18 N2 O2



CM 2

CRN 629-11-8

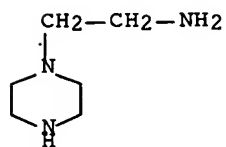
CMF C6 H14 O2



CM 3

CRN 140-31-8

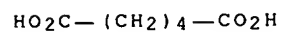
CMF C6 H15 N3



CM 4

CRN 124-04-9

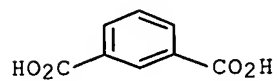
CMF C6 H10 O4



CM 5

CRN 121-91-5

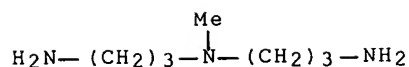
CMF C8 H6 O4



CM 6

CRN 105-83-9

CMF C7 H19 N3



L37 ANSWER 106 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1994:193246 HCAPLUS Full-text
 DOCUMENT NUMBER: 120:193246
 TITLE: Water-thinnable polyurethanes and their manufacture
 and use as in cosmetics and pharmaceuticals
 INVENTOR(S): Nguyen Kim Son; Sanner, Axel; Sperling-Vietmeier,
 Karin
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 11 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: **Patent**
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4225045	A1	19940203	DE 1992-4225045	19920729 <--
WO 9403510	A1	19940217	WO 1993-EP1888	19930717 <--
W: CA, JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 656021	A1	19950607	EP 1993-915942	19930717 <--
EP 656021	B1	19971001		
R: BE, CH, DE, ES, FR, GB, IT, LI				
JP 07509741	T	19951026	JP 1993-504934	19930717 <--
JP 3844775	B2	20061115		
EP 779310	A2	19970618	EP 1997-103009	19930717 <--
EP 779310	A3	19970702		
EP 779310	B1	19990506		
R: BE, CH, DE, ES, FR, GB, IT, LI				
ES 2107673	T3	19971201	ES 1993-915942	19930717 <--
ES 2130860	T3	19990701	ES 1997-103009	19930717 <--
CA 2140665	C	20030520	CA 1993-2140665	19930717 <--
US 6372876	B1	20020416	US 1995-367327	19950124 <--
PRIORITY APPLN. INFO.:				
			DE 1992-4225045	A 19920729 <--
			EP 1993-915942	A3 19930717 <--
			WO 1993-EP1888	W 19930717 <--

ED Entered STN: 16 Apr 1994

AB Water-thinnable polyurethanes with acid number 12-150 and glass temperature $\geq 15^\circ$, useful as aids for cosmetics and pharmaceuticals, are prepared from (a) ≥ 1 compound having ≥ 2 active H and (b) ≥ 1 acid- or salt-group-containing diol. Water-thinnable, biodegradable polyurethanes contain ≥ 5 mol% $\text{Y}[\text{O}(\text{COCHMeO})\text{NH}]_m$ ($\text{Y} = 2\text{-}4\text{-valent alcs.}$, $n = 1\text{-}50$, $m = 1\text{-}4$) in component (a). A typical polyurethane with acid value 62 and glass temperature 68° , useful for hair preps., was prepared from polyethylene glycol, neopentyl glycol, dimethylolpropionic acid, IPDI, and piperazine.

IT 153952-56-8P 153952-59-1P 153952-60-4P

RL: PREP (Preparation)

(manufacture of biodegradable water-thinnable, for cosmetics and pharmaceuticals)

RN 153952-56-8 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol,

hexanedioic acid, hexanediol, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 26762-52-7

CMF C6 H14 O2

CCI IDS

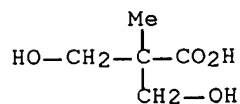
Me—(CH₂)₄—Me

2 (D1—OH)

CM 2

CRN 4767-03-7

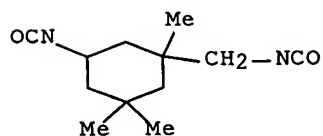
CMF C5 H10 O4



CM 3

CRN 4098-71-9

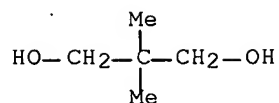
CMF C12 H18 N2 O2



CM 4

CRN 126-30-7

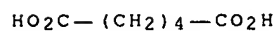
CMF C5 H12 O2



CM 5

CRN 124-04-9

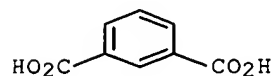
CMF C6 H10 O4



CM 6

CRN 121-91-5

CMF C8 H6 O4



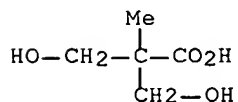
RN 153952-59-1 HCAPLUS

CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,2-ethanediol, 2-hydroxypropanoic acid and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 4767-03-7

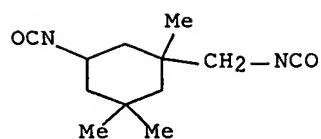
CMF C5 H10 O4



CM 2

CRN 4098-71-9

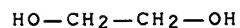
CMF C12 H18 N2 O2



CM 3

CRN 107-21-1

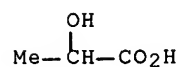
CMF C2 H6 O2



CM 4

CRN 50-21-5

CMF C3 H6 O3



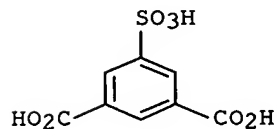
RN 153952-60-4 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-sulfo-, monosodium salt, polymer with 1H,3H-benzo[1,2-c:4,5-c']difuran-1,3,5,7-tetrone, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, 2-hydroxypropanoic acid and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)

CM 1

CRN 6362-79-4

CMF C8 H6 O7 S . Na

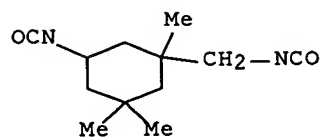


● Na

CM 2

CRN 4098-71-9

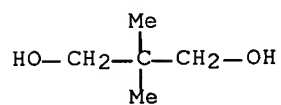
CMF C12 H18 N2 O2



CM 3

CRN 126-30-7

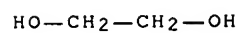
CMF C5 H12 O2



CM 4

CRN 107-21-1

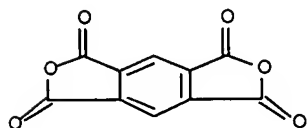
CMF C2 H6 O2



CM 5

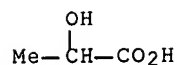
CRN 89-32-7

CMF C10 H2 O6



CM 6

CRN 50-21-5
CMF C3 H6 O3



IT 153952-55-7P 153952-57-9P 153952-58-0P

RL: PREP (Preparation)

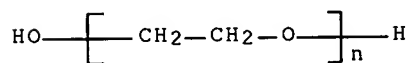
(manufacture of water-thinnable, for cosmetics and pharmaceuticals)

RN 153952-55-7 HCAPLUS

CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2,2-dimethyl-1,3-propanediol, α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl), 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and piperazine (9CI) (CA INDEX NAME)

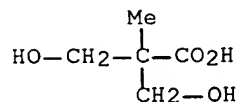
CM 1

CRN 25322-68-3
CMF (C2 H4 O)_n H2 O
CCI PMS



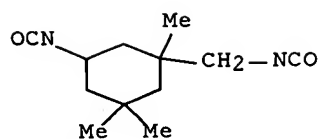
CM 2

CRN 4767-03-7
CMF C5 H10 O4



CM 3

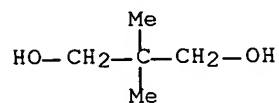
CRN 4098-71-9
CMF C12 H18 N2 O2



CM 4

CRN 126-30-7

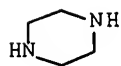
CMF C5 H12 O2



CM 5

CRN 110-85-0

CMF C4 H10 N2



RN 153952-57-9 HCAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-sulfo-, monosodium salt, polymer with 1,3-benzenedicarboxylic acid, 2,2-dimethyl-1,3-propanediol, hexanedioic acid, hexanediol, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and piperazine (9CI) (CA INDEX NAME)

CM 1

CRN 26762-52-7

CMF C6 H14 O2

CCI IDS

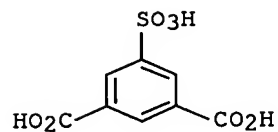
Me—(CH₂)₄—Me

2 (D1—OH)

CM 2

CRN 6362-79-4

CMF C8 H6 O7 S . Na

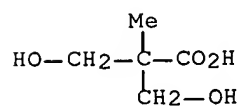


● Na

CM 3

CRN 4767-03-7

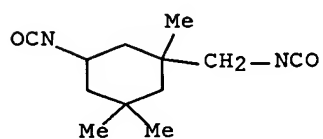
CMF C5 H10 O4



CM 4

CRN 4098-71-9

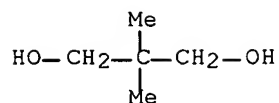
CMF C12 H18 N2 O2



CM 5

CRN 126-30-7

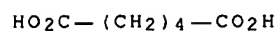
CMF C5 H12 O2



CM 6

CRN 124-04-9

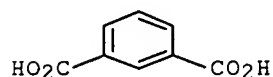
CMF C6 H10 O4



CM 7

CRN 121-91-5

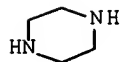
CMF C8 H6 O4



CM 8

CRN 110-85-0

CMF C4 H10 N2



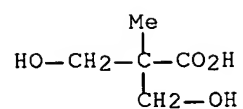
RN 153952-58-0 HCAPLUS

CN 1,2-Benzenedicarboxylic acid, polymer with 1,2-ethanediol,
3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-
(isocyanatomethyl)-1,3,3-trimethylcyclohexane and piperazine (9CI) (CA
INDEX NAME)

CM 1

CRN 4767-03-7

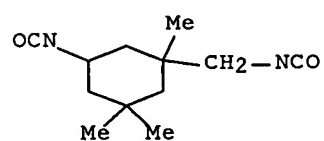
CMF C5 H10 O4



CM 2

CRN 4098-71-9

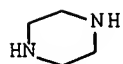
CMF C12 H18 N2 O2



CM 3

CRN 110-85-0

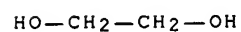
CMF C4 H10 N2



CM 4

CRN 107-21-1

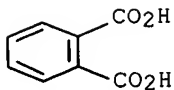
CMF C2 H6 O2



CM 5

CRN 88-99-3

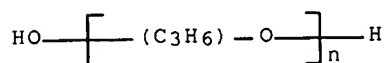
CMF C8 H6 O4



L37 ANSWER 107 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1993:567497 HCAPLUS Full-text
 DOCUMENT NUMBER: 119:167497
 TITLE: Aqueous nail lacquers containing polyurethanes
 INVENTOR(S): Gomi, Tadashi; Takahashi, Setsuko
 PATENT ASSIGNEE(S): Yuho Chemicals Inc, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: **Patent**
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05155737	A	19930622	JP 1991-325860	19911210 <--
JP 3121889	B2	20010109		
PRIORITY APPLN. INFO.:			JP 1991-325860	19911210 <--

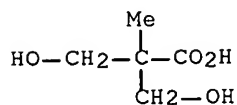
ED Entered STN: 16 Oct 1993
 AB Aqueous nail lacquers contain polyurethane of neutralization value 10-80 obtained by polymerization in the absence of tertiary amines, and are removed by H₂O or mixts. of H₂O and organic solvents. Nails were manicured with a nail lacquer containing polyurethane (prepared from polyethylene glycol 186.60, dimethylol propionic acid 14.30, isophorone diisocyanate 87.20, and hexamethylenediamine 11.90 g) 83.33, Primal ASE 60 0.50, vitamin E 0.10, and H₂O 16.07 weight%. The nail lacquer showed good coating and drying property and was crack-, water-, and soap washing-resistance, and was easily removed with 70% EtOH solution
 IT **150380-54-4**
 RL: BIOL (Biological study)
 (aqueous nail lacquers containing)
 RN 150380-54-4 HCAPLUS
 CN Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,6-hexanediamine, α-hydro-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane (9CI) (CA INDEX NAME)
 CM 1
 CRN 25322-69-4
 CMF (C₃ H₆ O)_n H₂ O
 CCI IDS, PMS



CM 2

CRN 4767-03-7

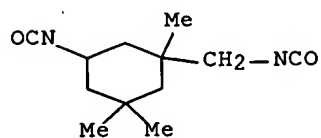
CMF C5 H10 O4



CM 3

CRN 4098-71-9

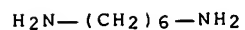
CMF C12 H18 N2 O2



CM 4

CRN 124-09-4

CMF C6 H16 N2



L37 ANSWER 108 OF 108 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:263210 HCAPLUS Full-text
 DOCUMENT NUMBER: 116:263210
 TITLE: Microcapsules and their manufacture and application
 INVENTOR(S): Tashiro, Namiyuki; Maruyama, Osamu
 PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: **Patent**
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 03221137	A	19910930	JP 1990-260025	19900928 <--

JP 3301082

B2

20020715

PRIORITY APPLN. INFO.:

JP 1989-279257

A1 19891026 <--

ED Entered STN: 27 Jun 1992

AB A method for manufacturing resin microcapsules containing a hydrophobic liquid and/or solid involves simultaneously forming fine particles and capsule walls using a self-dispersing resin capable of dispersing to an average size $\leq 0.1 \mu\text{m}$ in the presence of H_2O . Specifically, the method involves forming emulsions by mixing a water phase containing the above resin and an organic phase containing the above hydrophobic liquid and/or solid. The method is useful for manuf of a coating material, ink, recording material, or fiber-coloring agent.

IT 141482-50-0

RL: PRP (Properties)
(microencapsulation using)

RN 141482-50-0 HCAPLUS

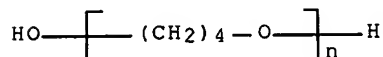
CN 2-Propenoic acid, 2-methyl-, butyl ester, polymer with
 α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl),
5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, methyl
2-methyl-2-propenoate and 2-propenyl 2-methyl-2-propenoate (9CI) (CA
INDEX NAME)

CM 1

CRN 25190-06-1

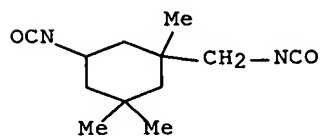
CMF $(\text{C}_4 \text{H}_8 \text{O})_n \text{H}_2 \text{O}$

CCI PMS



CM 2

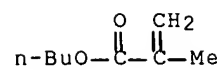
CRN 4098-71-9

CMF $\text{C}_{12} \text{H}_{18} \text{N}_2 \text{O}_2$ 

CM 3

CRN 97-88-1

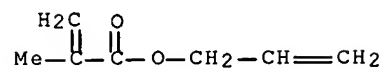
CMF $\text{C}_8 \text{H}_{14} \text{O}_2$



CM 4

CRN 96-05-9

CMF C7 H10 O2



CM 5

CRN 80-62-6

CMF C5 H8 O2

